PUBLIC WORKS DEPARTMENT

(BOMBAY PRESIDENCY)

ADMINISTRATION REPORT FOR THE YEAR 1918-1919

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PART II

IRRIGATION WORKS

ACCOUNTS AND STATISTICAL STATEMENTS

(Part I—Civil and Military Works—is issued separately)

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CONTENTS.

Twelve photographic views in connection with irrigation works in the Deccan.

Narrative Portion.

		Pages.
I.	General—	
	A. Details of Direct Expenditure	i
	B. Figures for Capital Works only	ii
	C. Figures for other than Capital Works	ii—iii
	D. Review of Irrigation	iii—iv
II.	Sind—	
	1.—Nature of inundation and rainfall	iv
	2.—Indus Right Bank Division—	
	(i) Works for which Capital and Revenue Accounts are kept ...	iv—vi
	(ii) Works for which only Revenue Accounts are kept ...	vi—vii
	3.—Indus Left Bank Division—	
	(i) Works for which Capital and Revenue Accounts are kept—	
	Works classified under two groups	vii
	(*a*) Canals taking off from the Eastern Nara	viii—ix
	(*b*) Canals taking off direct from the Indus	ix—x
	(ii) Works for which only Revenue Accounts are kept	x
	4.—Protective Embankments	x—xi
	5.—Indus River Commission	xi—xii
	6.—Miscellaneous	xii—xiii
III.	Deccan and Gujarát—	
	1.—Northern Division—	
	(i) 1st class Irrigation Works	xiii—xiv
	(ii) 2nd class Irrigation Works and Agricultural Works	xiv—xv
	2.—Central Division—	
	(i) 1st class Irrigation Works ... ... }	xv
	(ii) 2nd class Irrigation Works ... ... }	
	3.—Deccan Irrigation Division—	
	(i) 1st class Irrigation Works—	
	(*a*) Works in existence	xv—xvi
	(*b*) Works under construction	xvi—xviii
	(ii) 2nd class Irrigation Works	xviii
	4.—Southern Division—	
	(i) 1st class Irrigation Works	xviii—xix
	(ii) 2nd class Irrigation Works	xix
	5.—Scientific Works—	
	(*a*) Engineering questions that have arisen	xix
	(*b*) Special Irrigation District	xix—xx
	(*c*) River gauging	xx
	(*d*) Experiments on the efficiency of canals	xx

Administrative Accounts.

Administrative Accounts, Public Works Department (Irrigation), for the Bombay Presidency and Sind ... ... 1—132

Statistical Statements for Irrigation Works, Deccan and Gujarat.

Statement I A—Statement showing size, command, length and cost of canals ... 134—135

Statement II A—Statement showing details of catchment area, storage, command and cost of reservoir projects ... ... 136—137

Statement I B—Capital Account of Irrigation Works for and to end of 1918-19 ... ... 138—141

Pages.

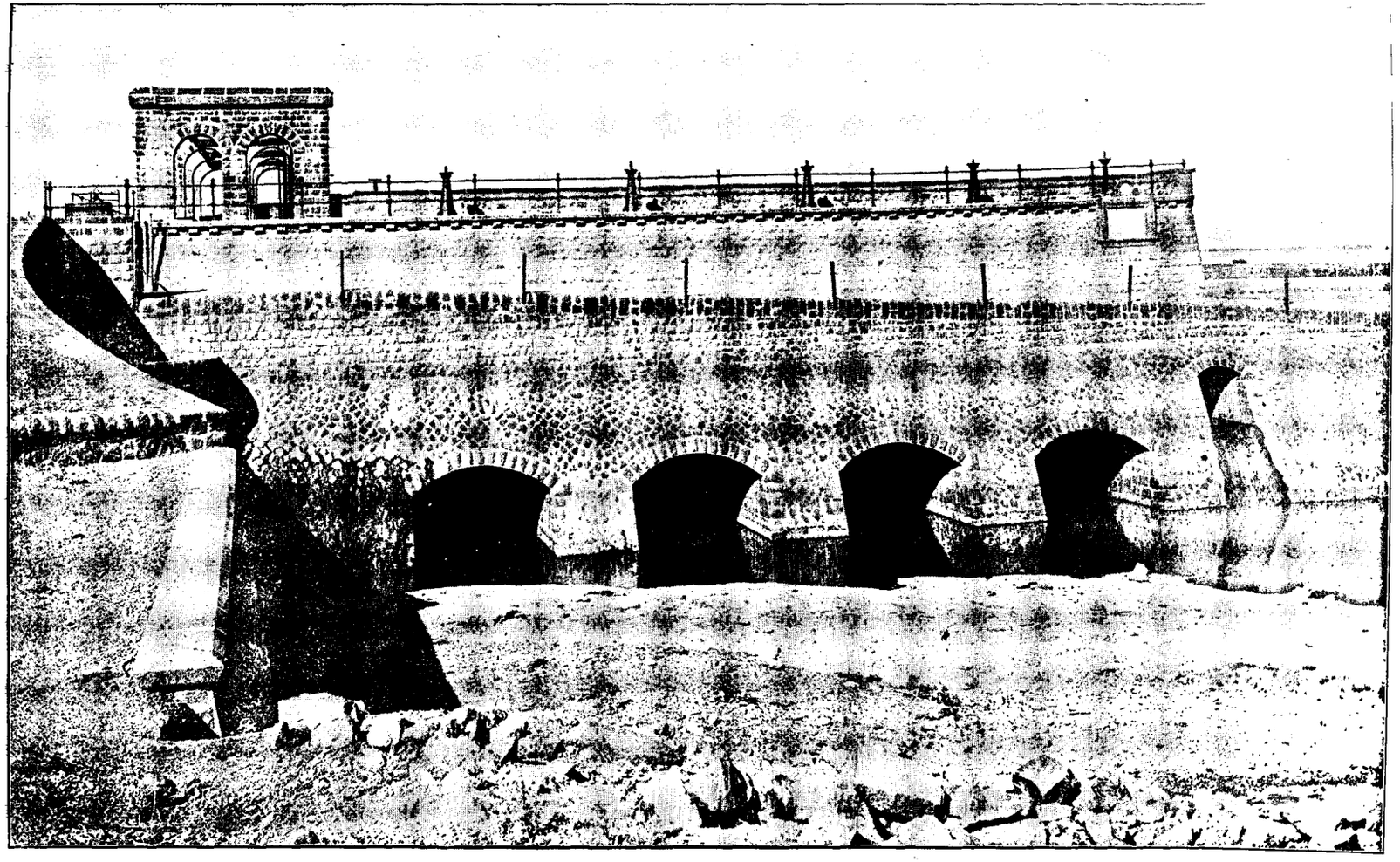
Statement I C, showing financial results of irrigation works for the year ending 31st March 1919. Realizations under main heads of revenue and working expenses ... ... 142—143
Statement II C, showing general financial results of irrigation works for and to end of 1918-19 ... ... 144—145
Statement III C—Demands and realizations during the year 1918-19 ... 146
Statement IV C, showing the financial results of irrigation works for 1918-19 based on assessments 147
Statement I E, showing areas irrigated and average discharges and duty of water in regard to irrigation works during 1918-19 ... ... 148—149
Statement II E, showing incidence of working expenses and assessed revenue on certain irrigation works during 1918-19 ... ... 150—151
Statement III E, showing quantity and value of crops irrigated during 1918-19 ... ... 152—161
Statement IV E—Comparative Statement of irrigation and rainfall for the years 1917-18 and 1918-19 ... ... 162—165
Statement F, showing remissions on irrigation works for the year 1918-19 ... 166
Statement I F, showing water-rates per acre in force during 1918-19 ... 167—168
Statement G, showing areas and water-rate assessments during 1918-19 according to the system of classification adopted in fixing the scale of water-rates... 169—171
Statement H, showing operations of the year 1918-19 ... ... 172—173

Statistical Statements for Sind.

Statement I A—Statement showing size, command, length and cost of canals ... 176—179
Statement I B—Capital Account for Irrigation Works for and to end of 1918-19 ... ... 180—181
Statement I C, showing the financial results of irrigation works for the year ending 31st March 1919. Realizations under main heads of revenue and working expenses ... ... 182—183
Statement II C, showing general financial results of irrigation works for and to end of 1918-19 ... ... 184—185
Statement III C, showing general financial results of irrigation works for and to end of 1918-19 186
Statement IV C, showing the financial results of irrigation works for 1918-19 based on assessments ... ... 187—189
General Abstract of financial results of irrigation works for and up to end of 1918-19 ... ... 190—197
Statement I E, showing areas irrigated and discharges and duty of water in relation to certain works during 1918-19 ... ... 198—199
Statement II E, showing incidence of working expenses and assessed revenue on certain canals during 1918-19 200
Statement III E, showing quantity and value of crops irrigated during 1918-19 ... ... 201—209
Statement IV E—Comparative Statement of irrigation and rainfall for the years 1917-18 and 1918-19 ... ... 210—213

Maps.

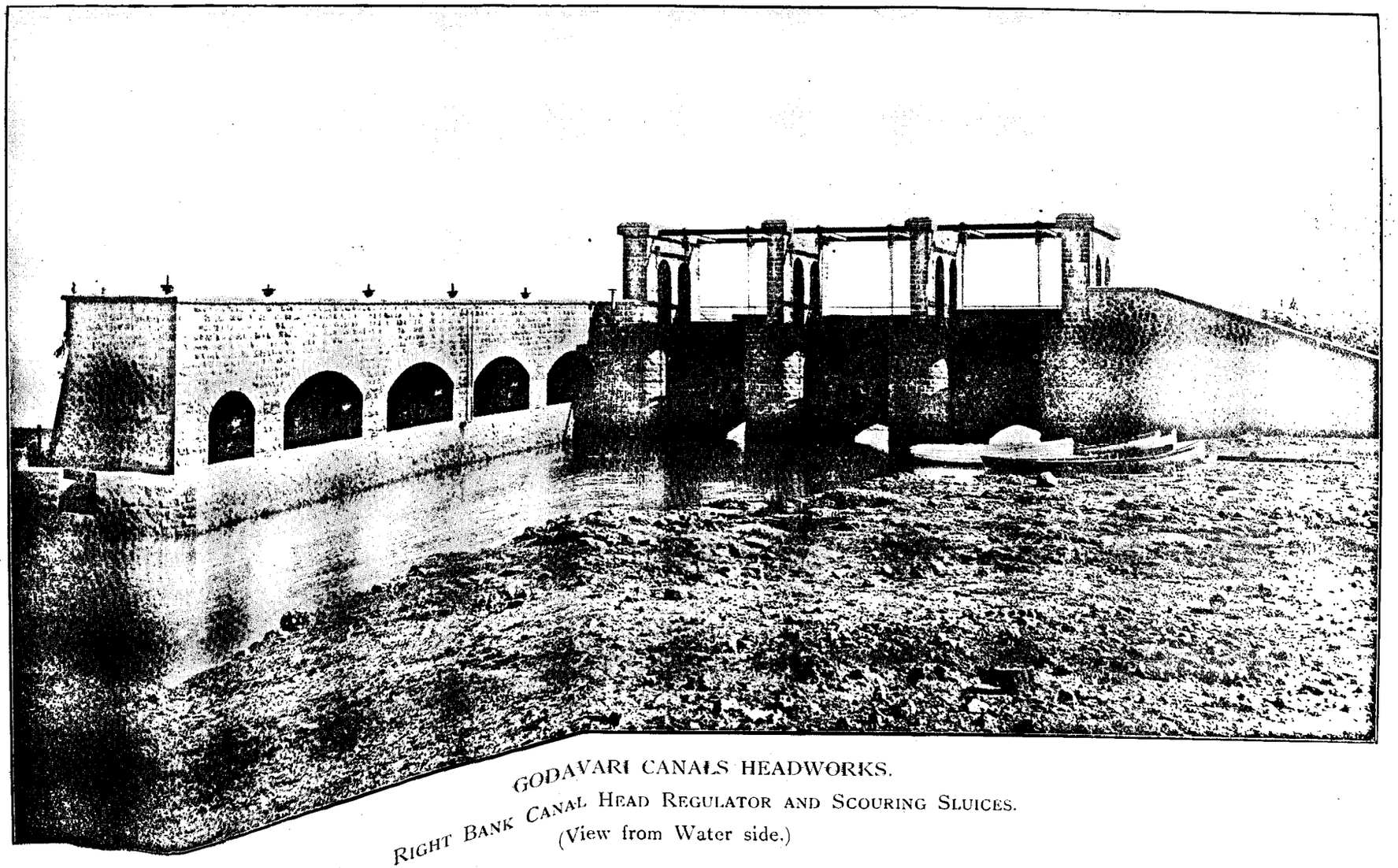
Map of the Northern Division.
Do. Central and Deccan Irrigation Divisions.
Do. Southern Division.
Index map of the Indus Right and Left Bank Divisions.
} At end of Volume.



GODAVARI CANALS HEADWORKS.

PICK-UP WEIR AT MADHMESHVAR.

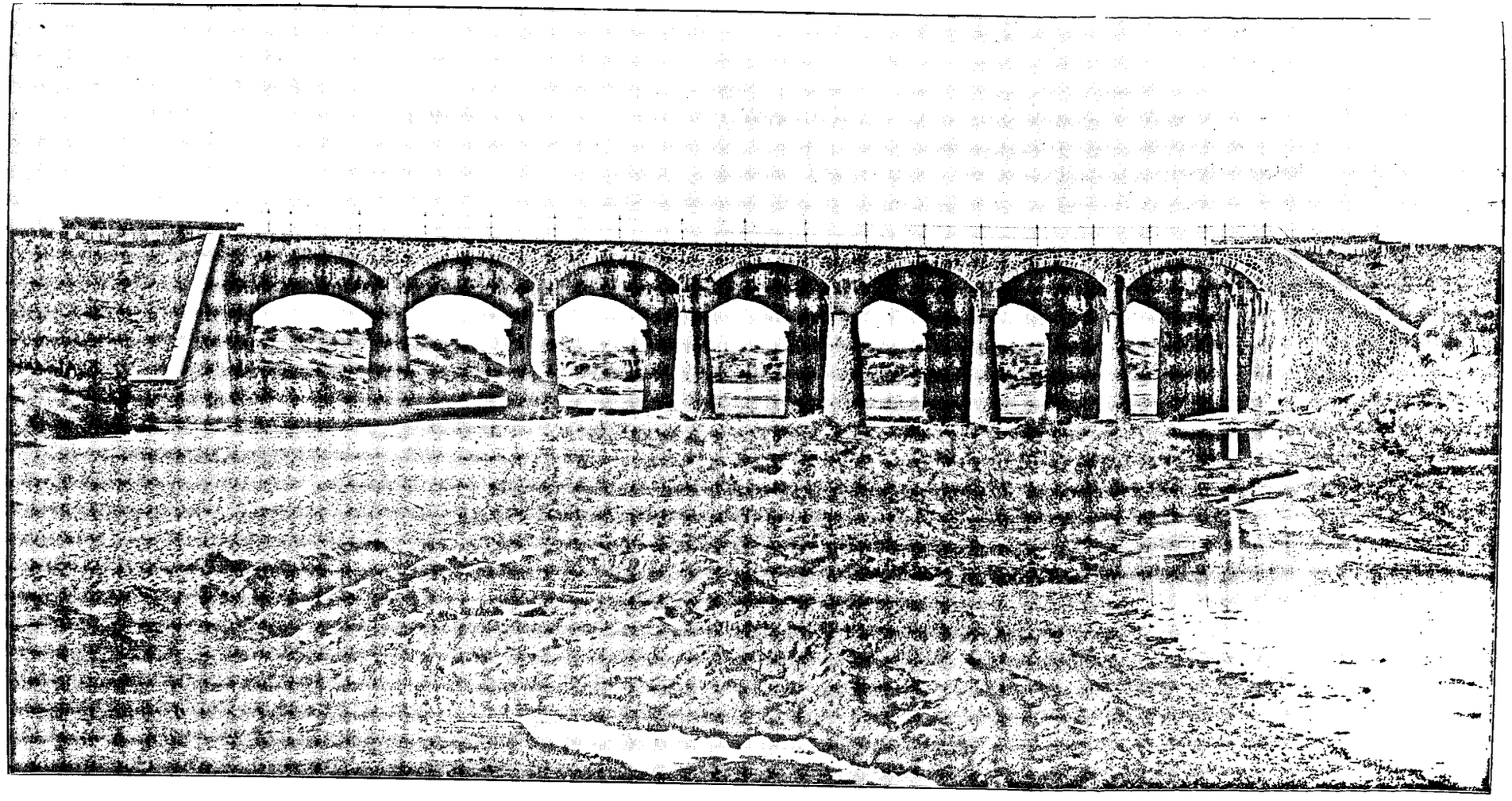
(View of Scouring Sluices on Right Bank Looking from Downstream.)



GODAVARI CANALS HEADWORKS.

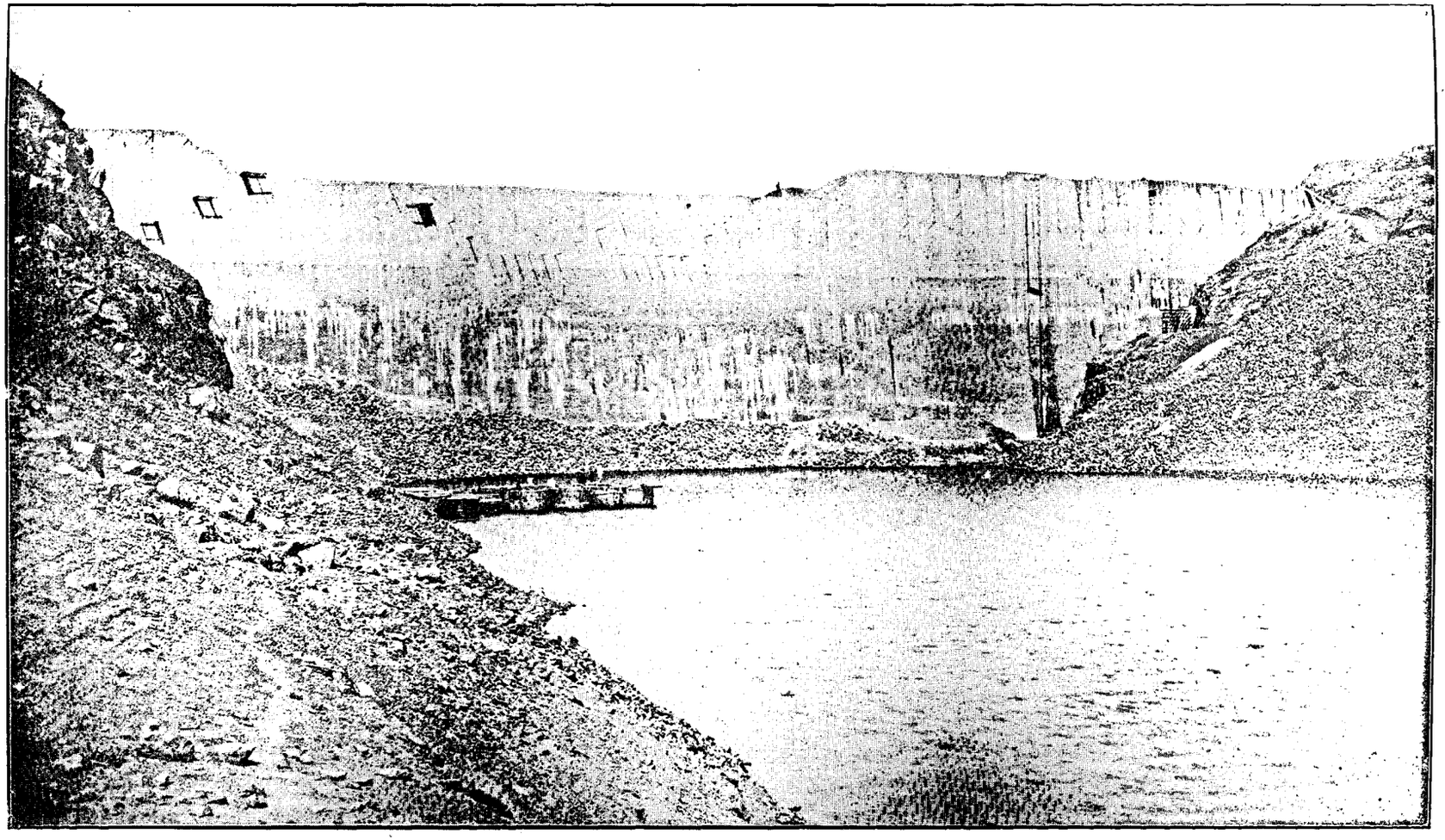
RIGHT BANK CANAL HEAD REGULATOR AND SCOURING SLUICES.

(View from Water side.)



AQUEDUCT No. 2 ON THE GODAVARI LEFT BANK CANAL.

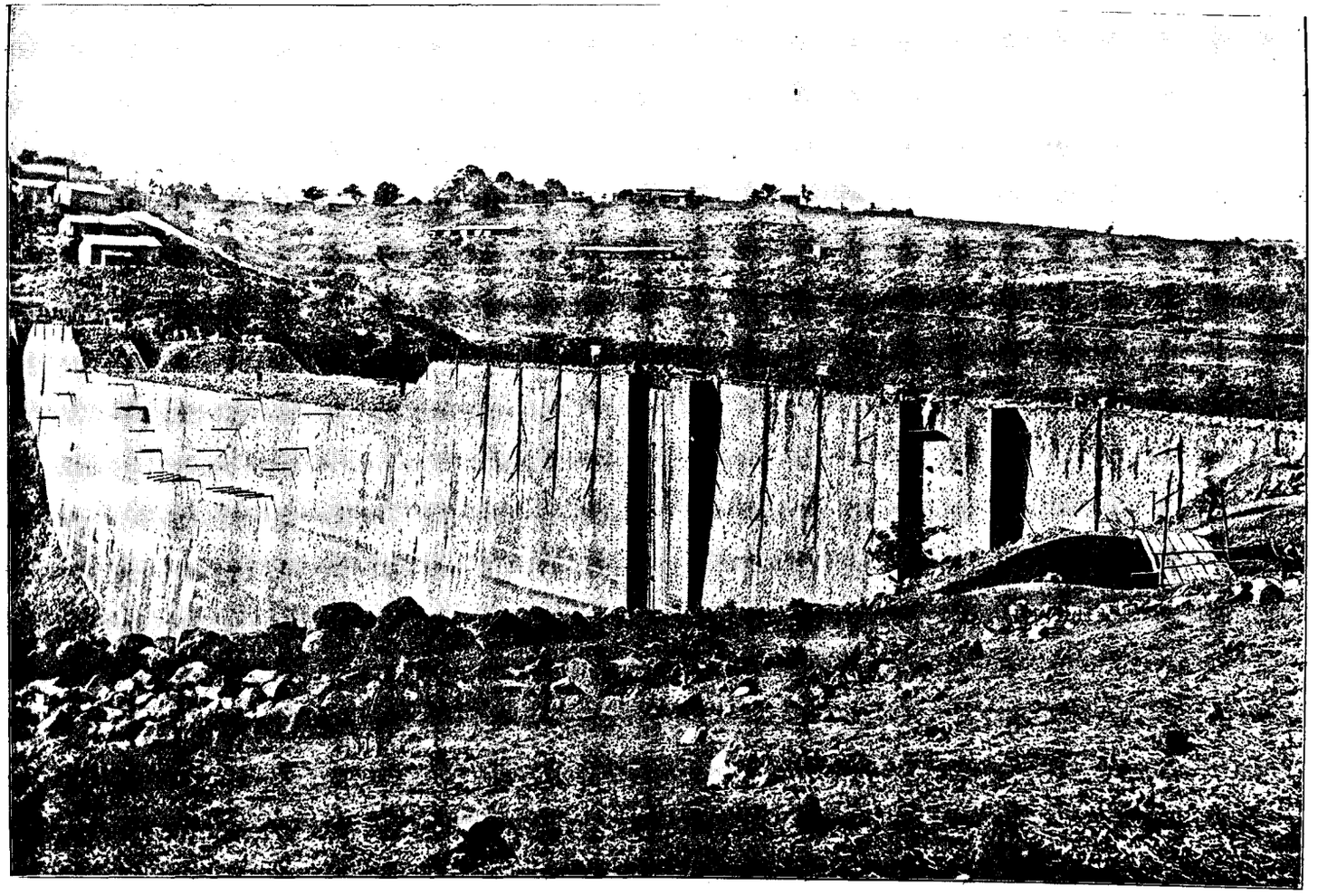
(View from Downstream.)



LAKE ARTHUR HILL DAM.

FULL VIEW OF THE DAM, 155 FEET HIGH.

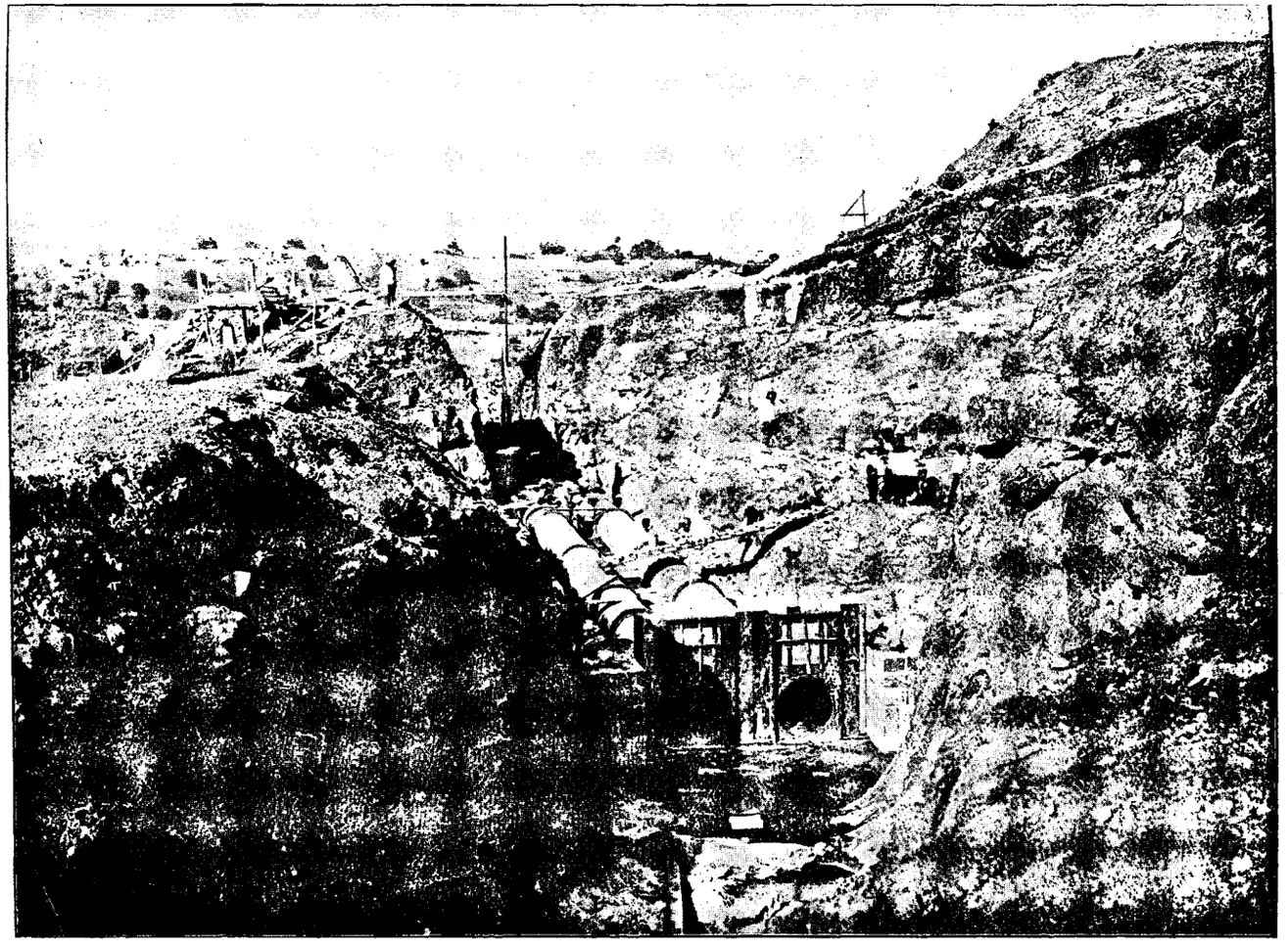
(Upstream Face from North Bank.)



LAKE ARTHUR HILL DAM.

FULL VIEW OF THE DAM, 155 FEET HIGH.

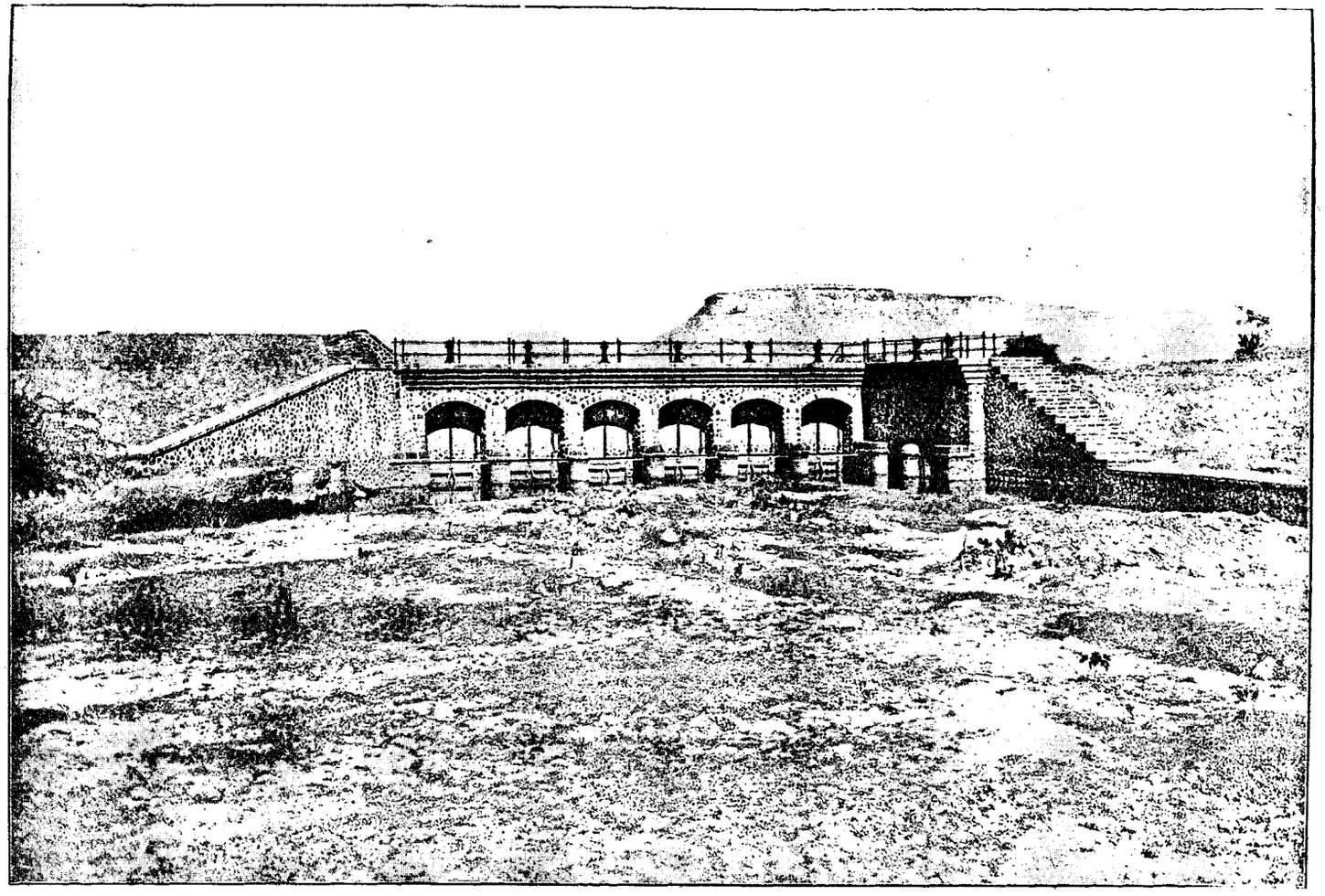
(Upstream Face from South Bank.)



LAKE ARTHUR HILL DAM.

LAYING ARRANGEMENT OF THE THIRD SET OF STEEL OUTLET PIPES AT 150 FEET.

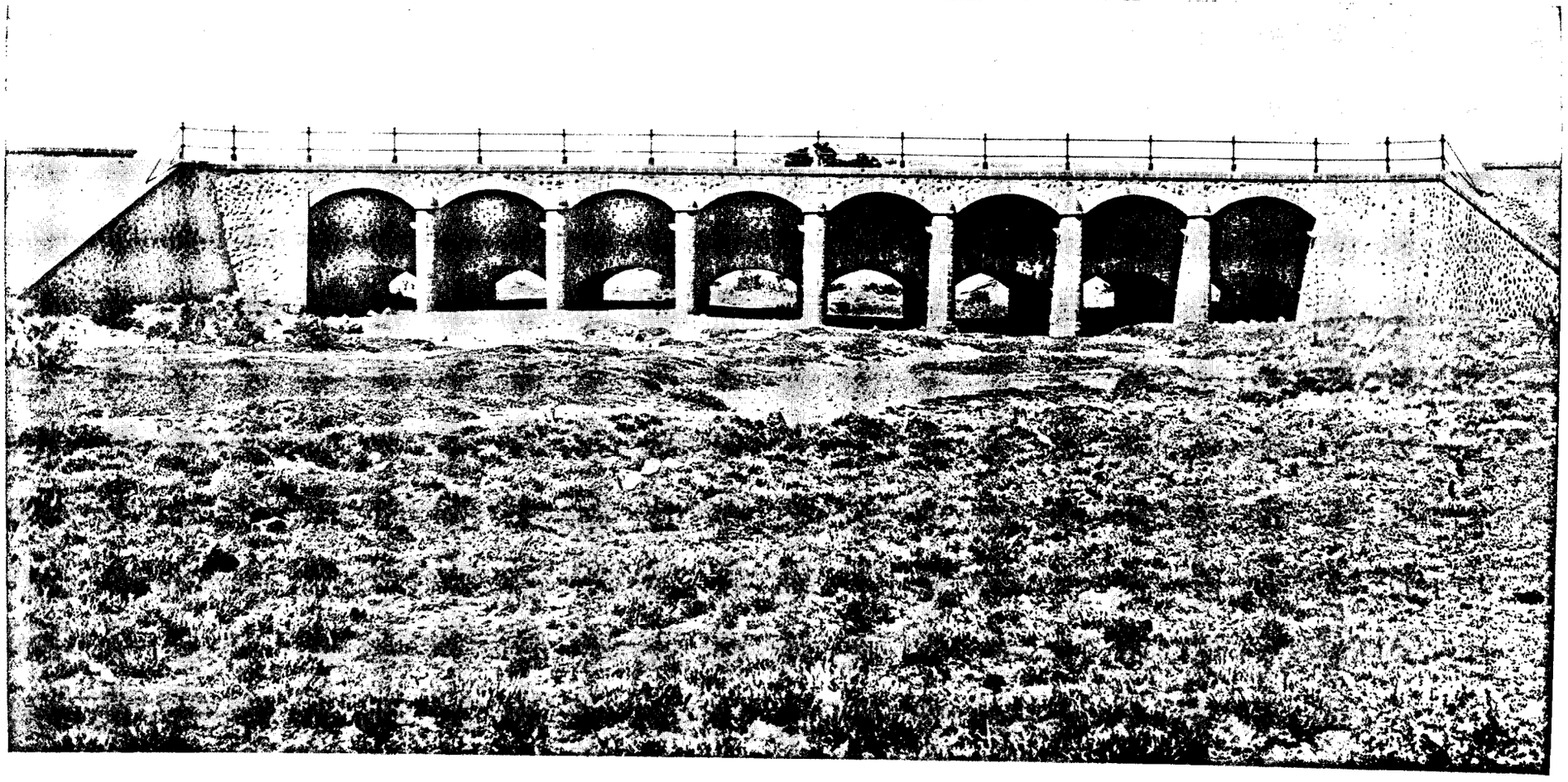
(Upstream View.)



PRAVARA CANALS HEADWORKS.

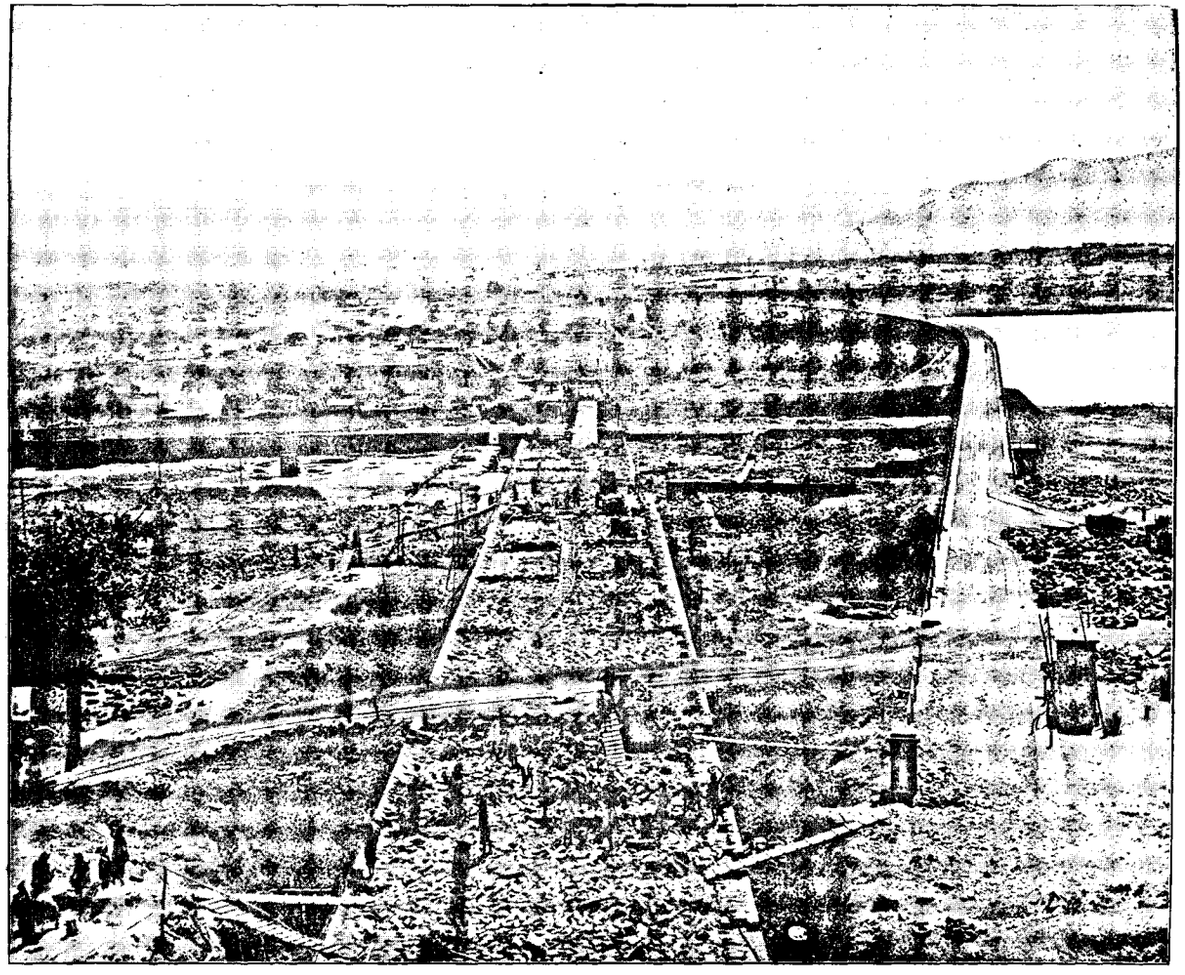
LEFT BANK CANAL HEAD REGULATOR AND SCOURING SLUICES.

(Front View of Head Regulator and Side View of Scouring Sluices.)



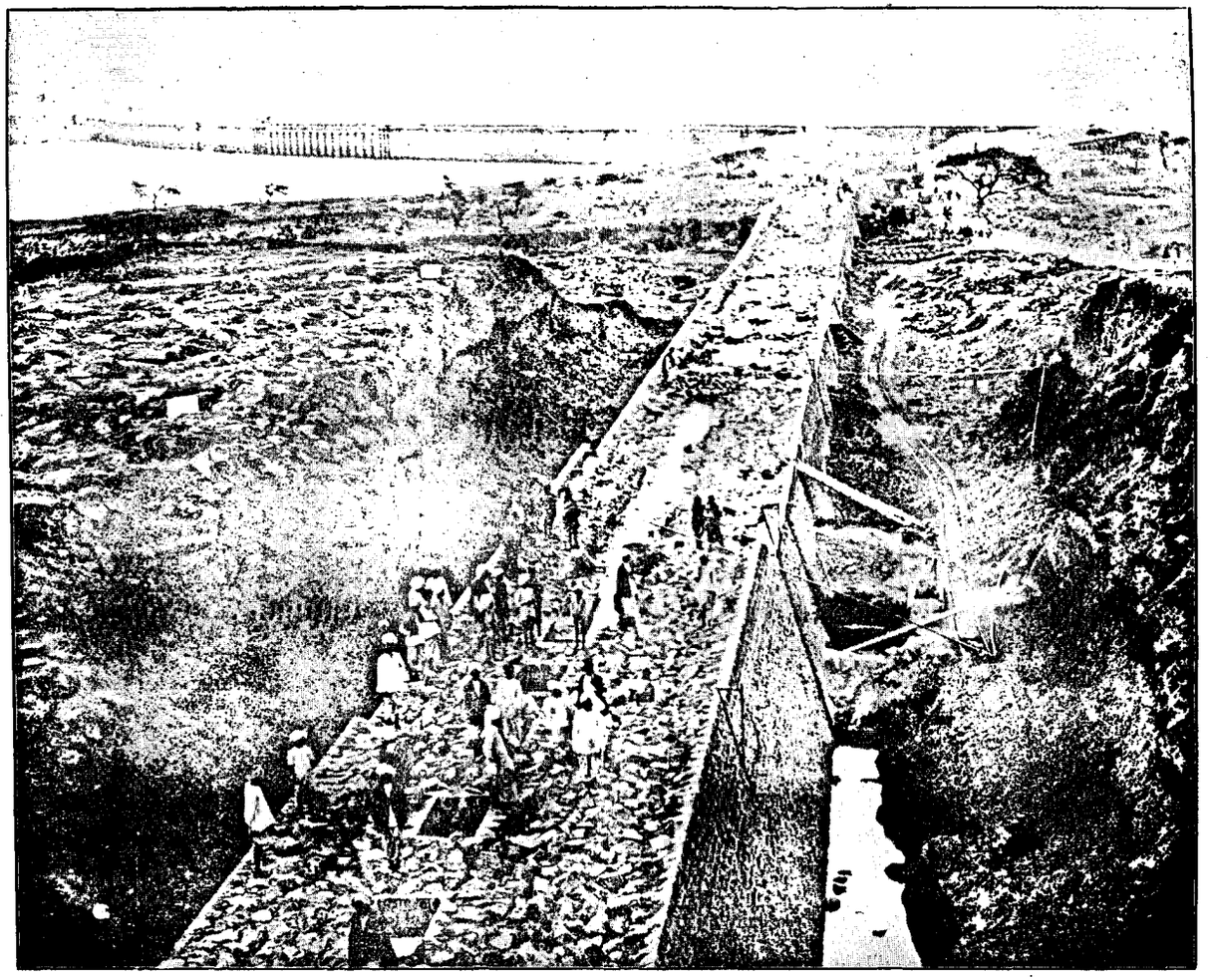
AQUEDUCT No. 10 ON THE PRAVARA LEFT BANK CANAL.

(View from Downstream.)



NEW DAM AT BHATGHAR.

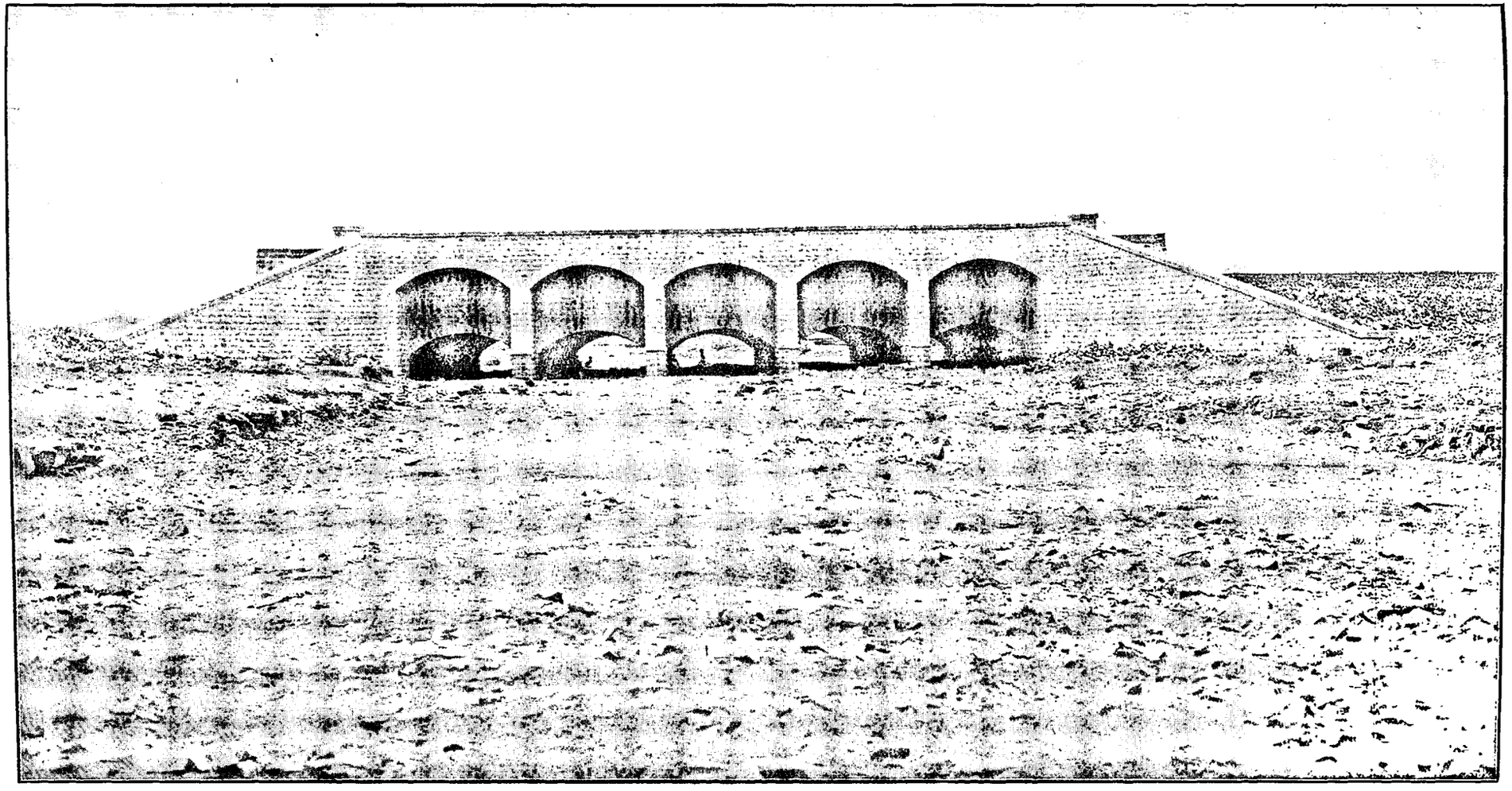
General View of the Dam from North end.



NEW DAM AT BHATGHAR.

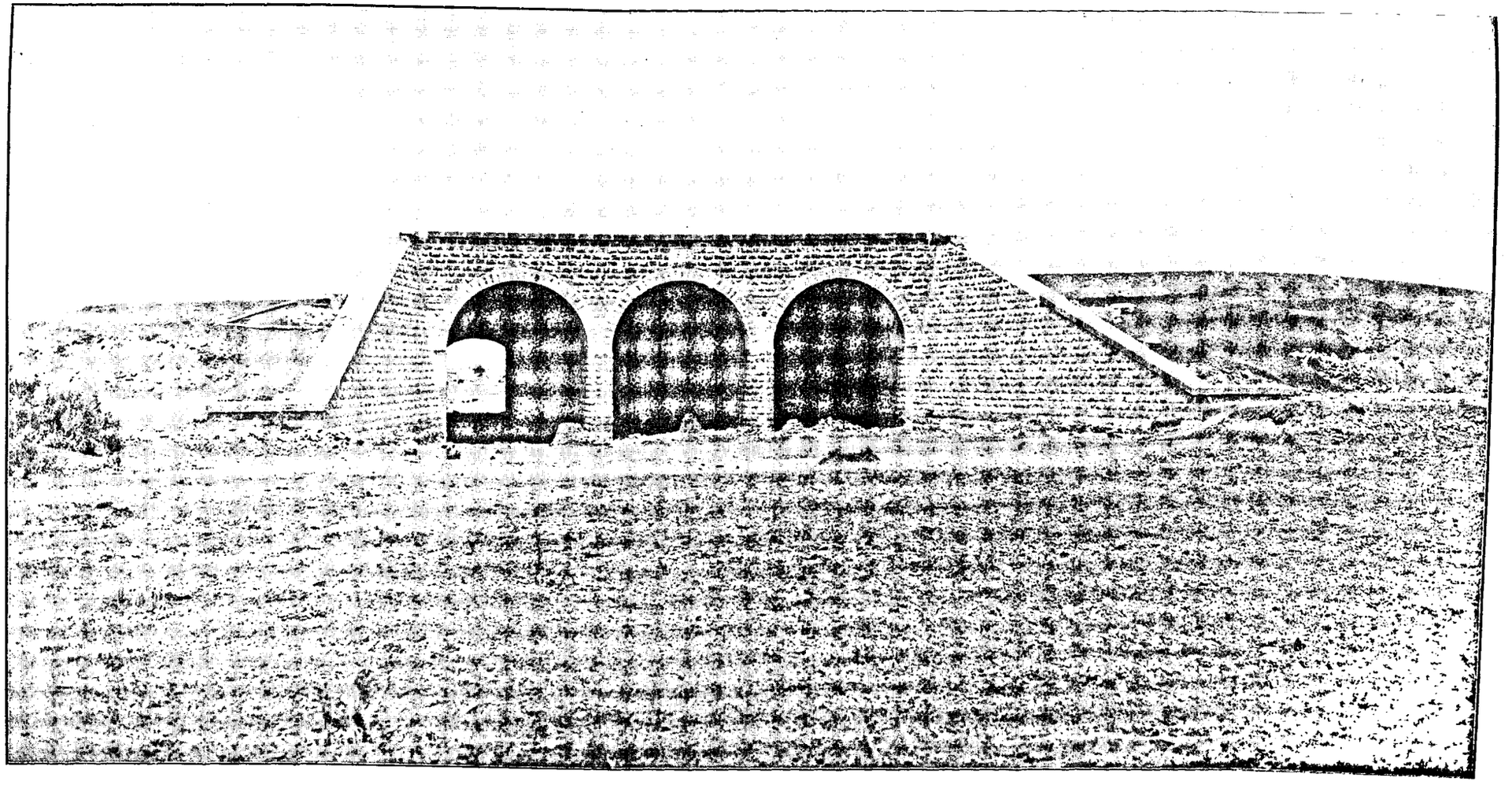
SOUTH WASTE WEIR UNDER CONSTRUCTION.

(View from South end.)



AQUEDUCT No. 8 ON NIRA RIGHT BANK CANAL.

5 Spans of 15 Feet each.



CULVERT No. 20 ON THE NIRA RIGHT BANK CANAL.

3 Spans of 15 Feet each.

ADMINISTRATION REPORT

OF

IRRIGATION WORKS IN THE BOMBAY PRESIDENCY FOR 1918-19.

I.—GENERAL.

A.—DETAILS OF DIRECT EXPENDITURE.

In the year 1918-19 the direct expenditure (excluding collection charges) on all the Irrigation Works throughout the Presidency amounted to Rs. 76 lákhs compared with Rs. 74 lákhs in the previous year, and Rs. 76½ lákhs, the average of the last three years. The total is classified and divided between the Presidency proper and Sind as follows :—

	Deccan and Gujarát.	Sind.	Total.
	Rs.	Rs.	Rs.
Works ...	19,16,164	7,47,215	26,63,379
Repairs ...	5,19,178	24,91,559	30,10,737
Establishment ...	8,01,070	10,80,814	18,81,884
Tools and Plant ...	48,133	—36,313	11,820
Refunds of Revenue ...	581	1,015	1,596
Gratuitous Relief ...	1,633	.....	1,633
Suspense Account ...	38,098	—2,240	35,858
Receipts on Capital Accounts ...	—4,235	.....	—4,235
Total ...	33,20,622	42,82,050	76,02,672

2. The distribution of the above expenditure under Major heads of Accounts is given below :—

Heads.	Rs.	Amount.	Remarks.
		Rs.	
Capital Account—			
Major Works—			
Protective Works	... (a) 26,49,787		
Productive Works	... —2,46,383		
		24,03,404	Imperial.
Minor Works and Navigation—			
Works for which Capital and Revenue Accounts are kept	... .	1,26,144	Half Imperial and half Provincial.
Revenue Account—			
Major Works—			
Protective Works	... 3,53,971		
Productive Works	... 15,53,209		
		19,07,180	Do.
Minor Works and Navigation—			
Works for which Capital and Revenue Accounts are kept	... 5,83,129		
Works for which only Revenue Accounts are kept	... 9,91,373		
		15,74,502	Do.
Works for which neither Capital nor Revenue Accounts are kept—			
Agricultural Works	... 14,10,096		Do.
Contribution Works	... 19,776		Deposit contribution.
		14,29,872	
Construction of Protective Works	... .	26,183	Imperial.
Famine Relief outlay on Irrigation Works ...	... .	1,35,387	Three-fourths Imperial and one-fourth Provincial.
	Grand Total ...	76,02,672	

(a) Includes expenditure in England, Rs. 14,095.

B.—FIGURES FOR CAPITAL WORKS ONLY.

3. The receipts on Capital Irrigation Works alone compared with the year's expenditure show a profit of Rs. 14,74,136 in Sind and a loss of Rs. 16,75,094 in the Deccan and Gujarát :—

Class of works.		Direct Receipts.	Indirect Receipts.	Total Direct and Indirect Receipts.	Direct expenditure.		
					Capital.	Working expenses (including the share of collection charges).	Total.
		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Major Irrigation works	Deccan and Gujarát.	11,00,001	3,758	11,03,759	21,35,371	6,81,195	28,16,566
	Sind	1,51,887	20,92,650	22,44,537	2,68,067	13,67,317	16,35,384
Minor Irrigation works for which Capital and Revenue Accounts are kept.	Deccan and Gujarát	1,62,931	6,284	1,69,215	8,783	1,22,719	1,31,502
	Sind	76,325	14,61,842	15,38,167	1,17,327	5,55,857	6,73,184
Total Deccan and Gujárat ...		12,62,932	10,042	12,72,974	21,44,154	8,03,914	29,48,068
Total Sind ...		2,28,212	35,54,492	37,82,704	3,85,394	19,23,174	23,08,568
Grand Total, Deccan and Gujarát and Sind, 1918-19		14,91,144	35,64,534	50,55,678	25,29,548	27,27,088	52,56,636
Grand Total, average of last three years ...		18,77,353	49,53,885	68,31,238	32,00,587	25,39,971	57,40,558

4. The area under irrigation showed, on the whole, a decrease of 20 per cent. on the average of the last triennium. These areas and estimated values of crops grown are contrasted in the following statement :—

Capital Works.	Area.			Value.		
	1918-19.	Average of 3 years ending 1917-18.	Difference.	1918-19.	Average of 3 years ending 1917-18.	Difference.
	Acres.	Acres.	Acres.	Rs.	Rs.	Rs.
Major Works—						
Deccan and Gujarát ...	163,209	104,148	59,061	2,82,17,616	1,47,02,735	1,35,14,881
Sind	1,001,866	1,404,502	**-402,636**	4,79,40,222	3,44,48,287	1,34,91,935
Total ...	1,165,075	1,508,650	**-343,575**	7,61,57,838	4,91,51,022	2,70,06,816
Minor Works—						
Deccan and Gujarát ...	50,766	35,310	15,456	36,89,205	16,00,864	20,88,341
Sind	832,561	1,023,524	**-190,963**	1,88,56,176	2,37,39,945	-48,83,769
Total ...	883,327	1,058,834	**-175,507**	2,25,45,381	2,53,40,809	-27,95,428
Grand Total ...	2,048,402	2,567,484	**-519,082**	9,87,03,219	7,44,91,831	2,42 11,388

C.—FIGURES FOR OTHER THAN CAPITAL WORKS.

5. These may be works for which only Revenue Accounts are kept, or works for which neither Capital nor Revenue Accounts are kept. The former are termed Second Class Irrigation Works in the Presidency (excluding Sind). The receipts on these works are principally in the form of a share of the Land Revenue and are termed "Indirect" and as such are book credits, so that figures of revenue appearing in the Finance Accounts, as distinguished from the Statistical Statements accompanying the Irrigation Administration Report, are very small, being for direct revenue only, *viz.*, proceeds from sale of water, etc. The area of irrigation on these very numerous works is always large, but it fluctuates to

some extent with the seasons. The following statements give a comparison of this year's and the average of the last three years' figures :—

Class of works.	Revenue.			Expenditure.	Net Revenue.
	Direct.	Indirect.	Total.		
MINOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
Works for which only Revenue Accounts are kept. Deccan and Gujarát	24,346	3,88,400	4,12,746	2,25,486	1,87,260
Works for which only Revenue Accounts are kept. Sind	58,229	16,93,883	17,52,112	9,05,614	8,46,498
Total for 1918-19 ...	82,575	20,82,283	21,64,858	11,31,100	10,33,758
Average total for triennium ending 1917-18 ...	79,497	31,29,167	32,08,664	12,69,666	19,38,998
Works for which neither Capital nor Revenue Accounts are kept. Deccan and Gujarát	19,875	.....	19,875	64,170	-44,295
Works for which neither Capital nor Revenue Accounts are kept. Sind	14,374	9,21,009	9,35,383	14,32,044	-4,96,661
Total for 1918-19 ...	34,249	9,21,009	9,55,258	14,96,214	-5,40,956
Average total for triennium ending 1917-18 ...	28,258	9,54,777	9,83,035	11,74,316	-1,91,281
Grand Total for 1918-19 ...	1,16,824	30,03,292	31,20,116	26,27,314	4,92,802

NOTE.—In this report whenever the average is referred to, it is the average of the last three years unless otherwise defined.

Class of works.	Area.			Value of crops.		
	1918-19.	Average of the triennium ending 1917-18.	Difference.	1918-19.	Average of the triennium ending 1917-18.	Difference.
Minor Works—	Acres.	Acres.	Acres.	Rs.	Rs.	Rs.
Works for which only Revenue Accounts are kept—						
Deccan and Gujarát ...	116,896	134,503	-17,607	40,67,712	39,38,723	1,28,989
Sind	773,377	1,104,480	-331,103	1,72,64,814	2,67,31,130	-94,66,316
Total ...	890,273	1,238,983	-348,710	2,13,32,526	3,06,69,853	-93,37,327
Works for which neither Capital nor Revenue Accounts are kept—						
Deccan and Gujarát ...	12,331	10,107	2,224	7,57,036	4,77,333	2,79,703
Sind	19,235	35,855	-16,620	5,86,154	9,30,845	-3,44,691
Total ...	31,566	45,962	-14,396	13,43,190	14,08,178	-64,988
Grand Total ...	921,839	1,284,945	-363,106	2,26,75,716	3,20,78,031	-94,02,315

D.—REVIEW OF IRRIGATION.

Description of irrigation.

6. The different conditions obtaining in Sind and in the Presidency proper are brought out strikingly in a general review of irrigation. Irrigation by means of wells is of a uniform type in the whole of the Presidency, but canal irrigation in Sind differs entirely from the canal and tank irrigation in the Deccan and Gujarát.

7. Owing to the scanty and precarious character of the rainfall in Sind, irrigation is almost the only means by which the land can be cultivated. Although Sind for the most part is a flat country and has mostly a very fertile soil, the land presents everywhere the appearance of a desert until it is brought under irrigation.

8. The river Indus being the main source of water supply of the canals in Sind, all the canals, with a few exceptions, receive water from June to September during the inundation of the river and their flow is very variable. They can have but a scanty supply of water with a low river, while a fairly high and long-lasting inundation permits of the wide-spread cultivation of valuable crops.

9. In the Deccan and Gujarát cultivation chiefly depends upon rainfall and the tanks and canals are mainly useful for the purpose of growing the more valuable crops or to counteract, when required, the evil effect of years of drought. The larger irrigation schemes in this part of the Presidency involve the construction of costly storage reservoirs.

Inundation and rainfall in Sind.

10. The inundation of 1918 was one of the lowest on record, the prominent feature of the year being the unusually high river at the commencement of the season giving promise of a very favourable inundation which, however, failed to be realized. The rainfall for the year was negligible and its absence at a time when it was most urgently required contributed to the generally inferior crop results of the year. Taking Sind as a whole, the crops which suffered most were cereals, but the cotton crop in the two Jamráo Districts was nearly a record in area and a bumper one in yield.

Rainfall in the Deccan and Gujarát.

11. In the Deccan and Gujarát the rainfall of the year was from the very beginning not only deficient but was also very badly distributed and consequently there was a wide-spread failure of the whole cultivation except the crops that were irrigated.

Area irrigated and gross revenue.

12. The area irrigated in Sind during the year under review was over 2½ million acres or about 1/5th of the total culturable area of the province and the gross revenue amounted to about 64¾ lákhs of rupees, the average figures for the previous triennium being a little over 3½ million acres and 88 lákhs of rupees, respectively.

13. The total area irrigated in the Deccan and Gujarát was about 3½ lákhs of acres only out of nearly 29 million acres of culturable area. The revenue from all sources was a little more than 17 lákhs of rupees as against 22 lákhs, the average of the previous triennium.

II.—SIND.

1.—NATURE OF INUNDATION AND RAINFALL.

Character of inundation.

14. The inundation of 1918 was one of the lowest on record. The prominent feature of the year was the unusually high river at the commencement of the season giving promise of a very favourable inundation, which, however, failed to be realized.

15. The river commenced to rise in June and reached a height of 11·8 feet, the maximum level of the year, on the 19th June. From 20th June to 30th August there were extraordinary fluctuations, the river falling to 7·2 on the 28th July, then again rising to 11·1 on the 30th August, after which it fell steadily without recovering. The "fair irrigating level" of 13 feet at Bukkur was never reached this year, whereas this level was attained for 30 days in 1917, for 9 days in 1916 and for 13 days the average of the previous triennium. The "fair irrigating level" of 17 feet on the Kotri gauge was first recorded on the 2nd June, and the maximum level for the year of 19·5 feet on the 23rd June. The level of 17 feet and over was maintained up to 1st July and again from 20th to 26th July and 7th and 8th September or a total of 39 days against 73 in 1917, 86 in 1916 and 75 days, the average of the previous three years.

16. The highest readings for the year were 11·8 feet on the Bukkur gauge on the 19th June and 19·5 feet on the Kotri gauge on the 23rd June as compared with 15·8 feet and 23·0 feet, respectively, in 1917, and the recorded maxima readings on these two gauges of 17·9 feet and 23·8 feet, respectively.

Rainfall.

17. The rainfall for the year was negligible and its absence at a time when it was most urgently required contributed to the generally inferior crop results of the year. Rotations where regulators permitted did much to improve conditions and to emphasize the need for the construction of these most valuable aids to the control and distribution of the water supply. Taking Sind as a whole the crops which suffered most were cereals, these both in area and yield being much below the normal; but cotton did generally very well, the area if below the average being more than compensated for by the extraordinary good yield and the high market prices obtained. Conspicuous examples of this are the two Jamrao Districts where the crop was nearly a record in area and a bumper one in yield.

18. Mention cannot be omitted of the appalling visitation of Influenza which swept through Sind in the autumn and closing months of the year. The mortality was so great as to bring to a standstill all late harvesting operations and considerably retarded rabi preparations. The financial loss to the zamindars from this cause must have been very great.

2.—INDUS RIGHT BANK DIVISION.

(*i*) WORKS FOR WHICH CAPITAL AND REVENUE ACCOUNTS ARE KEPT.

Desert Canal.

19. The canal was opened on 1st June as usual and ceased to flow on 13th October 1918, while in 1917 it ceased to flow on 25th November.

20. The supply of the canal from the feeder dhand was adversely affected during the season on account of excessive escape of water to the river through a bye-channel above the point of take-off. Several attempts were made to close this bye-channel, but owing to the high velocity and the sandy nature of the bed the work could not be carried out. Ultimately when the river fell, the attempt proved successful. The first bund has since been consolidated and two others built in addition so as to guard against any failure. The closing of this channel has been of inestimable benefit to the Desert Canal and has saved the

situation in regard to the growing of fodder crops. The canal was again opened on 11th February 1919, and has been flowing uninterruptedly ever since. This has been of great assistance to the zamindars as the early fall in the river in October practically cut off the rabi supply on which this canal depends to a great extent, particularly in the tracts of lands at the tail where the soil is hard and kalarish.

21. The full supply gauge reading of 10 feet was never obtained. The highest reading recorded was 7·9 on 28th August 1918. Full supply of 2,750 cusecs was obtained on 12 days.

22. Adiowah.—Owing to the low river and the fact that the bed of the canal is at a high level, it worked very badly and relief had to be given to zamindars as far as possible by allowing them to take water temporarily from the Desert Canal. The work for remodelling this canal has been completed.

23. The canal was opened on 11th June 1918 and it flowed for 89 days.

24. The canal was opened on 1st June and ceased to flow on 26th September. It worked satisfactorily up to 24th June, but there was not much demand for water. Early in July owing to the fall of the river, rotations were started and were continued from time to time till end of September when the canal stopped flowing. Full supply gauge reading of 10 feet was never attained owing to low inundation and the designed discharge of 1,675 cusecs was obtained on 14 days. Unharwah.

25. The canal was opened on 1st June as usual and finally ceased to flow on 21st October 1918. There being no demand, the water was regulated at all the four regulators from the start. Begari Canal.

26. Subsequently, as the demand increased, all the regulators were cleared of needles by 24th June. The supply in the canal due to the fall in the river, being unequal to the demand, rotations were enforced from 29th June. The river being low during July and the first fortnight of August rotations were continued generally. Then from the middle of August to about 10th of September, the canal was flowing free due to a comparatively good supply. After the latter date an attempt was made to restart the rotations but the water in the river and the canal fell rapidly and it was not possible to maintain the required water level at the different regulators to give full supply to the branch canals.

27. A scour hole 50 × 40 × 6 feet developed in the down stream pavement of the 38th mile regulator and was first observed on 27th July, when the necessary steps were taken to deal with it. The rotations had to be altered so as to carry out the repairs. On the whole, the upper portion of the Begari did well, but there was some deficiency at the tail, particularly in the Eden and Sirwahs.

28. The Choi Branch worked fairly well. Though there was much deficiency of water during the season, especially during July and August, the kharif crop was as good as usual. Rice cultivation has increased a good deal. It probably amounts to nearly 50 per cent. more than the previous year. The reason for this is attributed to the fact that the zamindars planted more rice owing to the jowari crop in 1917 having been damaged by heavy rains. When they found that the supply was deficient by the middle of July, they took to jowari and bajri which were saved by timely rotations.

29. The work of additions and alterations to the head sluices over distributaries ex: Choi carried out during the last working season had some effect in reducing silting in the distributaries.

30. The Mahiwah was opened on the 7th June 1918. The river cut into the Guddu Dhand at its 16th mile (from the mouth of the Mahiwah) and delivered a fairly good supply of water. With the exception of Masu and Maharowah, which received a poor supply, all the canals under the Mahiwah system did fairly well, considering the low level of the river, and the crops were fairly good throughout. Certain improvements were carried out last year to the Deharwah with the result that the canal worked most successfully. The area under kharif cultivation has increased all along its length. Even the crops at its tail were reported to be exceptionally good and fields not brought under the plough for years have been cultivated this year. Mahiwah.

31. The Seharwah was opened on the 6th June 1918 and worked fairly well and the water supply was nearly sufficient for the area under cultivation.

32. The Sukkur canal was opened on 13th June and ceased flowing on 14th September 1918. Owing to the low river the supply was deficient throughout the season all along the canal and branches. The dhoro which feeds the canal worked satisfactorily. The groynes constructed in the past two years kept it clear of silt. The old head of the canal used for rabi supply had to be opened on 14th September to enable the kharif crops to mature. Sukkur Canal.

33. Clearance was done at the tails of Kurs Khairo and Biro, the upper portion of Kur Maksudo and the whole of the Napat Sukkur Canal. The pavement of the head regulator of the Napat Sukkur was lowered by one foot and clearance done to that level. This was of immense benefit to that canal.

34. The work of strengthening the Ghanghra cross regulator in the 40th mile of the canal and the head regulators of the two branches Kur Khairo and Kur Biro, which take off just above the cross regulator, was undertaken during the year. This has been done to enable more water to be headed up at the Ghanghra regulator for the benefit of the above

two branches, at the tail of which there is always deficiency. The pavement of the Ghanghra regulator has also been raised by 1½ feet. This, together with the reduction of such of the sluices as carry away excessive water, will materially help the tail of Sukkur Canal, and the tails of Kur Biro and Kur Khairo.

Ghar Canal.

35. The Ghar Canal was opened on 25th May as usual. The date fixed by the Commissioner for opening is 15th May, but cultivators are never ready to take water so early. Even on 25th May, there was no consumption of water with the result that too much water accumulated at the tail south of Nasirabad. This excess of water only ceased when zamindars began opening their karias in the beginning of June. The canal had a fair supply throughout the season and considering the very low river during the year, the Ghar may be said to have worked very satisfactorily. It takes its supply from the Ghar Dhand ex: the river. In July a low island was formed by the river in front of the dhand mouth, which prejudicially affected the supply in the canal, but by the end of August, the island moved lower down and the mouth was clear. The dam that was constructed in 1916-1917 across the dhand below the take-off of the Ghar stood well during the whole inundation and very materially helped the supply in the canal. The canal ceased to flow on the 18th October 1918.

36. The Fordwah supplements the water supply to the Ghar about the middle of its length. It worked satisfactorily throughout the season.

37. The Naurangwah is one of the two main branches at the tail of the Ghar. It used to silt considerably at the head, and heavy silt clearance was annually carried out. Last year no clearance was done, but the first two miles were groyned on both sides to reduce the width. This has had the effect of scouring the silt from the middle while the sides are silting up. It is hoped that no further clearance will be necessary in future. The Naurang bifurcates into the Gath and Chilo and these will have to be widened sufficiently to take off the surplus water from Naurang and thus improve the deficiency at the tails. At present the water heads up in the Naurang endangering its banks, and sufficient water even when available cannot be admitted for fear of breaches in this canal though there is a demand for water lower down.

38. The Nurwah, the other main branch at the tail of the Ghar, has been scouring its bed and sides for some years past and is now taking much more than its fair share. During the last two years the bed and sides have been protected by bed groynes of date logs to prevent further scour.

39. The Nasrat Canal, which was formerly a branch of the Ghar, now takes off from the Ghar Dhand. Owing to the low river the supply in the canal was deficient, but its working was satisfactory. The pavement of the head regulator was again damaged during the year (when water was cut off at the beginning of the season) by water finding its way under the pavement from below the foundations of the left wing wall. Fortunately it was not necessary to cut off water during the rest of the season. The damage is being repaired by demolishing the wing wall and its foundations and reconstructing it after filling the hollow with hydraulic lime concrete. (This has since been completed and the regulator now works well.) A very bad bend in the 2nd mile just below the railway bridge has been removed and the canal flows better now.

Suttah Canal.

40. The supply in the Suttah Canal was not so unsatisfactory this year as was expected on account of the low inundation. The canal first flowed on the 25th of May with 5 fees of water at the head regulator when Kotri read 15·8. Full supply level of the canal is 10 feet; the average readings of the downstream regulator for the abkalani months show very fair results.

41. The downstream pavement and pitching of many karia heads was extended since, with the excessive velocity through the gates, the original length was far too small.

(*ii*) Works for which only Revenue Accounts are kept.

42. The principal canals under this head are the Sind, Western Nara, Pinyari, Kalri and Baghar canals.

Sind Canal.

43. The Sind canal was opened on the 2nd June 1918. Owing to the low level of the river it did not flow with its full supply during the whole of the abkalani. Colonel Fife's Channel, however, worked satisfactorily considering the low inundation. The old Sind canal head silted up badly owing to erosion at its head and failed to supply sufficient water, and so a cut 10 feet wide was excavated to supplement the supply at the end of July which greatly helped in flooding some area for rabi crops. The condition of crops was not good. Rice has done badly. The dry-crop grown by lift is fairly good. Rabi was poor.

Western Nara.

44. This canal was opened on the 1st June 1918 with the gauge at Bukkur recording 10·7. The regulator at head was gradually opened to allow the new earthwork at last year's breaches to get slowly and well soaked. Full supply level was never obtained during the year. Taking all things into consideration the canal worked as well as could be expected under the most adverse circumstances. The canal stopped flowing on the 8th October 1918.

45. The New Feeder takes off from Kumbhrani Dhand ex: River Indus and joins the Western Nara at mile 33. Its main object is to supplement the supply in the main Nara, though it only does so to a very small extent. The canal was opened on the 24th June

1918 with the upstream and downstream gauges reading 10·7 and 9·3, respectively. The canal was not fully opened until the 1st August to allow the new earthwork at the large breaches of the last year to get well soaked. The canal ceased to flow on the 18th September 1918 when the gauge at Bukkur recorded 7·1.

46. The head regulator of the Pritchard canal, which is the second feeder of the Western Nara, was opened on 1st June and remained fully opened during the season except from 8th to 25th June, when so much water was not yet wanted. It attained a maximum gauge reading of 9·5, 8·2 on the 1st regulator and 8·0 on the 2nd regulator on the 25th June. But the maximum reading during the months of July and August was only 7·5 feet on the 1st regulator and 7·2 feet on the 2nd regulator against 10 feet full supply level. The stop gate regulator at mile 20/2 was also partially closed once a week in August for the benefit of the Kudan tail. The canal finally ceased flowing on the 26th October.

Pinyari Canal.

47. Again during the year under report rotations at the intermediate regulators on the Pinyari proved most beneficial and in spite of the low inundation the results are not so bad as they might have been. Rotation by karias was also resorted to, and the reduction of karia openings completed during the previous season proved beneficial. Full supply level was reached at the head regulator on the 17th May, but the canal had to be closed as there was little demand for water. The upstream gauge of the head regulator gave readings higher than the F. S. L. up to the 29th of June and had zamindars arranged for early sowing of seedlings either in the very low lands or by lift irrigation, transplantation in practically all the low lands could have been completed before the river level fell.

Kalri Canal.

48. This canal was opened on 17th May 1918. The tail branches and karias at the tail of Kalri during the average inundation year generally get an insufficient supply, but this year when the river was very low for the greater part of the year, the tail branches did not do so badly. This was due to the failure of karias in the upper reaches. As the lands in the upper reaches could not be watered the karias commanding them silted, with the result that a greater volume of water than usual went down to the tail, where the crops were not quite a failure.

Baghar Canal.

49. Like the Pinyari on the left bank of the river the Baghar on the right bank first flowed late in March. During past high inundation years, when the Baghar has had an abundant supply of water at high level, a considerable extent of lift areas has been converted into flow cultivation so that during a low inundation zamindars are not prepared to return to expensive lift arrangements and in consequence the outturn of crops in such a season is very much less than it should be. Again, during a high inundation year there is always the danger of breaches in the banks which makes it very difficult for the zamindars to adopt expensive methods of irrigation when there is no certainty of even a fair result.

Unfinished works.

50. The following are principal original works under this head which were either commenced during the previous year or during the year under report but were yet in progress.

		Expenditure during 1918-1919. Rs.
1.	Constructing head regulator over Chario Wahur	6,297
2.	Reconstructing out-houses for the Public Works Inspection Bungalow, Class II, at Khaderi	2,601
3.	Additions and alterations to Public Works Inspection Bungalow at Miani	1,100
4.	Constructing a rotation regulator at mile 3/4 of Raiswah ex: Sind Canal	999
5.	Constructing a rotation regulator at mile 7/2 of Arorewah ...	1,499
6.	Public Works Inspection Bungalow at Shahpur on Sind Canal with out houses	1,989
7.	Constructing 2nd Class Inspection Bungalow at Jati	3,739

3.—INDUS LEFT BANK DIVISION.

(*i*) Works for which Capital and Revenue Accounts are kept.

51. The canals in the Left Bank Division fall under two groups, *viz.*, (*a*) the Eastern Nara System and (*b*) canals taking off direct from the Indus.

52. Under (*a*) are the Nara river, the Jamrao, Mithrao, Khipro, Thar and Hiral canals, of which the Khipro canal flows during the inundation only, the others being perennial. The Thar, though classed as perennial, is closed on or about the 1st December each year to save the country round about from being water-logged.

53. Under (*b*) are the Dad, Nasrat, Fuleli, Hassanali and a large number of smaller canals, all being classed as inundation canals though the Fuleli receives a fair rabi supply.

(*a*) *Canals taking off from the Eastern Nara.*

Nara Supply Channel.

54. The Nara Supply Channel is an artificial channel, 12 miles in length, taking off the river on its left bank above Rohri and forming the mouth of the Nara, an ancient course of the Indus. The supply channel worked satisfactorily during the year and the necessity for the services of a dredger was not felt. The minimum discharge recorded during the year was 805 cusecs with a downstream reading of 7·7 feet at the head regulator. The head regulator was kept open throughout the inundation season to prevent silting at the head. Owing to the low inundation the 'sangs' along the length of the Nara were not replenished and the supply during the cold weather was consequently below the normal.

55. Necessary repairs to the channel and its sides consisting of stone pitching and groyning were carried out during the year. Stone groynes were constructed in miles 8 and 9 where erosion had occurred to the sides in order to reduce the channel to its proper width and to prevent silt depositing in the centre of the channel.

56. An expenditure of Rs 40,142 was incurred on the payment of land compensation for the Flood Diversion Bund. The total expenditure on this project amounted to Rs. 4,23,332.

The Nara.

57. The Nara from the end of the Nara Supply Channel to the Jamrao is about 96 miles and from the Jamrao to the Thar Weir about 100 miles in length. It commands over 5,00,000 acres of cultivable land. The area cultivated during the year on the Nara in the Eastern Nara District was about 34,609 acres as against 35,046 acres in 1917-18 and 38,581 acres, the average of the previous three years.

58. The Nara bed is in very fair condition. Owing to the extraordinary low level of the river there was no surplus water to pass through the Mooral and Bagdad (sluices) for storage in the Makhi dhand, the reservoir for supplementing the rabi supply to the Mithrao. As stated in the last year's report, the head of the right bank distributary of the Makhi Distributaries project has been taken off from the Mithrao above the Bakhora regulator and the Makhi dhand has been retained as a reservoir for augmenting the rabi supply to the Mithrao.

Jamrao Canal.

59. The capital expenditure on the Jamrao canal during the year was Rs, 13,160 and was incurred on (1) extension of Bhitaro minor, (2) constructing distributary ex: 12th mile Digri minor and (3) distributary ex: 113th mile Jamrao canal. The recoveries of the year from colonists amounted to Rs. 1,981.

60. Current repairs to the head works were carried out as usual and they were maintained in good order throughout the year and were not subjected to any undue strain as the maximum and average discharge passing down the Nara were both low.

61. The area cultivated during the year was 2,30,667 acres as compared with 2,38,406 acres of the last year and 2,51,989 acres, the average of the previous three years. The area under cotton was about 1,18,841 acres as compared with 96,661 acres in the last year and 83,920 acres, the average of the previous three years. The crop was nearly a record one and a bumper one in yield and with the high market price the zamindars have made large profits. There was, however, an appreciable decline in the area under rabi and this was due partly to the appalling visitation of Influenza which retarded cultivation operations and partly to the moderate supply available and the high price of cotton which tempted the zamindars to water cotton to a late date at the expense of wheat.

62. An allotment of new land to the extent of 2,874 acres was made during the year on this canal.

Mithrao Canal.

63. The supply in the Mithrao canal was fairly good at the commencement of the season, but after the middle of July continued to decrease and called for rotation at regulators along its length to save the situation. The absence of rain and the sudden fall of the river affected the rice crop. Some deficiency was felt in the 30th mile Left Bank distributary at the tail. The Left Bank branch and the 30th mile Right Bank distributary, including Samaro branch, did not work satisfactorily owing to silting on account of constant fluctuations in the water level. The construction of the 30th and 45th mile distributaries and the reduction in sizes of karias between miles 16 and 30 of the main canal have improved water supply conditions in the lower reaches of the Mithrao to some extent and the completion of the Makhi distributaries now under construction will do a good deal more. The Makhi distributary left with the Chotiari minor have been completed and opened in 1919, while the Makhi distributary right will come into operation in 1920.

64. The capital expenditure of the year amounted to Rs. 55,503 and was incurred in constructing the Makhi distributaries right and left.

65. The area cultivated during the year under report was 108,751 acres as compared with 116,455 acres in the last year and 124,403 acres, the average of the previous three years.

66. The Hiral Canal was opened on 8th April and worked satisfactorily on the whole. The canal was designed for the cultivation of dry crops only and rice is entirely prohibited. But owing to the declining prosperity of the tract in the past this restriction was relaxed and the zamindars have been allowed to grow rice for another three years in low-lying and water-logged lands and also in high lift irrigated kalar lands in which dry crops cannot at present be successfully grown. The project for the improvement of the Hiral tract was sanctioned during the year and the work was in progress. Hiral Canal.

67. The Hiral tract commands 49,000 acres of cultivable land. The cultivation during the year was 12,395 acres as compared with 10,118 acres in the last year and 15,005 acres, the average of the previous three years.

68. The capital expenditure during the year amounted to Rs. 40,627 and was incurred on constructing the Head distributary ex: Hiral Canal.

69. An allotment of new land to the extent of 251 acres was made to the local zamindars on the canal during the year, while 135 acres of fallow forfeited area were restored to the zamindars.

70. The Thar Canal and its branches worked satisfactorily. As the river was low throughout the season, the canal did not get its full supply of 8.7 feet and rotations had to be resorted to at the intermediate regulators for the proper distribution of water. Thar Canal.

71. The cultivation on this canal during the year was about 53,811 acres against 52,640 acres in the last year and 57,942 acres, the average of the three previous years.

72. The project for two distributaries ex: the 3rd mile (right) and 7th mile (left bank) designed to economise the present extravagant supply of water now obtained direct from the main canal through low-lying karias between miles 3 to 8 on the right and 7 to 13 on the left bank was sanctioned during the year under report and good progress was made with its construction. The capital outlay on the distributaries during the year amounted to Rs. 22,220. They should do much to remove the complaint of deficiency in the lower reaches of the Thar Canal which has been a grievance crying for redress for years past.

73. The Khipro Canal commenced flowing on the 19th May 1918 and ceased to flow on 20th September. Owing to the very low inundation, the supply was below normal throughout the season. Khipro Canal.

74. The cultivation on this canal during the year was about 2,553 acres against 2,842 acres in the last year and 3,797 acres, the average of the previous three years.

(*b*) *Canals taking off direct from the Indus.*

75. On the whole the Nasrat Canal obtained a fair supply throughout the season. The supply was very good till about the end of June but thereafter the abnormally low river necessitated the adoption of rotations for the distribution of available supply. Nasrat Canal.

76. The groynes, which were constructed last year in the Lundi Dhand and proved so beneficial, were extended and raised during the year, canalizing the irregular section of the Lundi Dhand and reducing its width to 90 feet up to, and 75 feet below, the Mehrabwah head. These groynes have reduced silting in the Dhand to a minimum and it is expected will maintain this satisfactory condition unless the head of the Dhand is crossed at any time by floods from the direction of Khairpur State.

77. The reduction of sluices above mile 36 and between miles 51 and 72 gave an improved supply to the tail. The cultivation during the year on this canal was about 68,283 acres against 77,878 in the last year and 87,340 acres, the average of the three previous years. The decrease was due to less cultivation under juari and bajri, the area under cotton remaining normal.

78. The total expenditure on the construction of karias and kasis up to the end of the year on the canal amounted to Rs. 2,88,860.

79. An allotment of 8 acres was made on this canal to Junior Talpurs during the year.

80. The canal was opened on the 20th of May and ceased flowing on the 3rd of November. The supply was sufficient throughout the season in spite of the inundation being one of the lowest on record. This was due to the fact that its feeder, which had been scoured out to about 3′ below its designed bed two years ago, maintained its deep channel and kept free of silt. This success was due to the extensive groyning which was done to the sides thereby reducing its width previously varying from 100 to 200 feet to a uniform 100 feet and so canalizing the channel. The banks of the canal in miles 78 to 81 which usually breach and those of the feeder and other canals which were too low were raised and strengthened during the year. Dad Canal.

81. The groynes in the bed which were constructed last year below the 50th mile to raise the water level to improve the supply to the branch canal, the Mubarak, and to restrict flooding at the tail of the Dad, were extended and raised with some further small improvements on existing conditions, but no really satisfactory and permanent results can be obtained particularly with regard to the flooding at the tail of the canal until the Lower Dad Remodelling Project is undertaken.

82. The cultivation during the year was 64,105 acres against 121,439 acres in the last year and 112,047 acres, the average of the three previous years.

83. The total expenditure on the construction of karias and kasis to the end of the year under report amounted to Rs. 1,32,574.

84. New land to the extent of 7 acres was allotted during the year in extension of holdings to local zamindars.

85. The Ren Distributary is fed by the Dad Canal and worked satisfactorily in spite of the low inundation as the Dad Feeder brought in a good supply throughout the season. The total expenditure on this project to end of year under report was Rs. 2,13,819.

86. New land to the extent of 1,921 acres was allotted on this canal.

Fuleli Canal.

87. The Fuleli Canal on the whole worked satisfactorily. Rotations were frequently resorted to and these saved the situation to a great extent.

88. The dhand supplying the new cut to the *old* Fuleli excavated in 1917 was heavily silted towards the end of the inundation. Active erosion of the river, however, took place at its tail and carried away its most heavily silted portion. As erosion still continues, no special measures have been adopted. Silt clearance was carried out in a length of about half a mile near the Nareja regulator and a length of half a mile below the regulator was reduced by single groynes so as to canalize that portion which is very wide and silts.

89. The new mouth to the Dokiawah above the Alipur regulator worked very satisfactorily. It was kept open in the rabi season and several zamindars took advantage of the rabi supply available.

90. The area cultivated during the year was about 371,500 acres against 386,780 acres in the last year and 416,190 acres the average of the three previous years.

91. The capital expenditure on this canal during the year under report was Rs. 13,896 and was incurred on new mouth to the Dokiawah above the Alipur regulator.

Hassanali Canal.

92. The main Hassanali Canal and its branches worked satisfactorily on the whole.

93. The area under cultivation was about 18,000 acres against 18,955 acres cultivated in the last year and 18,967 acres, the average of the three previous years.

Canals in the Hyderabad Canals District.

94. With the exception of Sarfrazwah all the canals in this District worked satisfactorily. Owing to the low inundation the Great Marak Canal gave no trouble this year. The construction of a regulator over this canal is in progress.

95. The cultivation this year in the whole of the Hyderabad Canals District was about 260,000 acres against 287,827 acres in the last year and 280,031 acres, the average of the three previous years.

(ii) Works for which only Revenue Accounts are kept.

96. The principal canals under this head are Naulakhi, Mehrab and Dhambro in the Nasrat Canals District and Ren, Gharo Mahmudo, Kari Shumali and Nasir in the Hyderabad Canals District. All the canals under this head, with the exception of Nasir, obtained a fairly good supply. The Naulakhi Canal was fed from both 1915 and 1917 heads. The 1917 head was opened later in order to avoid breaches lower down as the canal is not provided with a Regulator. It is very necessary to provide Head Regulators over this canal and on the Mehrabwah and the matter is in hand.

4.—Protective Embankments.

97. The maximum gauge reading at Bukkur was 11·8 against 15·8 in the previous year. The inundation was very poor and the Kashmor bund was not put to any severe test.

98. In the first section the flood water touched the whole of the front bund, 1896 loop, Tori bund, and Haibat loop up to the 16th mile, while in the second and third sections the flood water did not touch the bund at all.

99. Erosion took place at Begari mouth in ordinates 3/6 and 4/1 and the maximum of 200 feet in a week was along the ordinate at 3/6 mile. The front bund remained intact but the river at the nearest point was only 250 feet away. Once this bund goes the 1896 loop becomes the first line of defence.

100. There were no leaks or breaches of any importance this year. All minor leaks and breaches were promptly detected and closed by the establishment.

101. Tori, Haibat and Ghouspur bunds were thoroughly wetted by the trench system.

102. The system of river bunds in the Western Nara District is 101 miles in length. During the year under report the river spill only touched these bunds at the beginning of season at some places. There were no leaks or breaches during the year. The question of closing the gap or constructing a loop to the Manjhand Bund System has been abandoned. The other portion of this bund was not severely tested as there was very little water against it. The water touched the Phulu Bund in the beginning of abkalani at various places, but it stood the pressure very well.

103. In the Ghar Canals District as the set of the river is towards the left bank and as the inundation was low, there was no water against the bunds except at some local depressions. The bunds were kept in order by removing grass and jungle from top and slopes and putting earth on the portions worn away, but no wetting was done as water did not touch the bund.

104. In the Shikárpur Canals District the bunds were not severely tested owing to low level of the river.

105. In the Karáchi Canals District the free board along the bund line during the year under report on account of the low inundation, was adequate, but in a few places along the Baghar Uchito Bund slight raising is necessary which has been ascertained after recent levelling. It has also been found necessary to bring the same bund to standard section.

106. A breach occurred at mile 20/4 of the Baghar Uchito Bund on the 9th June 1918. The position of the breach was at a dangerous part of the bund and where a sluice, which was under construction, had not been completed. The breach was closed on the 16th June 1918. The damage done to crops due to this breach was not considerable.

107. Owing to the low river, water only touched small lengths of the bunds in the Left Bank Division. All bunds kept intact and gave no trouble. In the Fuleli District the stone pitching to Gidu Bunder bund was badly displaced. This was repaired in time and about 10,000 cubic feet of reserve stone was thrown in at the toe, wherever slips were observed. This is a makeshift measure and much more extensive efforts, now under consideration, are needed to make this portion of the bund safe.

108. The project for the construction of a river protective bund between Herbertwah and Gharo Alibahar to prevent spill water flooding the tract below Daulatpur and Sakrand is in hand and will shortly be ready for submission to the Indus River Commission.

5.—INDUS RIVER COMMISSION.

Indus River Commission Works and their classification.

109. The expenditure on works and surveys was charged to "43-Irrigation Minor Works and Navigation—Agricultural Works—Works for which neither Capital nor Revenue Accounts are kept."

Surveys of the Indus.

110. The usual topographical surveys, aggregating 1,958 miles in length, of the Indus, dhands, bunds, etc., were carried out. The total length of the river course from Rojhan in the Punjáb to the point of its bifurcation was 549 miles. About 503 miles of this length together with 26 miles of the Haideri river and 5 miles of the Ochito were surveyed and plotted.

Khairpur Boundary rails and Bahawalpur State Boundary demarcation.

111. The Khairpur boundary rails were inspected as usual. The demarcation of the boundary between Sind and Bahawalpur State has been completed.

River Gauges.

112. Gauge readings of the river were taken daily at 11 stations, twice a week at 4 stations and weekly at 9 stations.

Scientific works and discharges of the Indus.

113. Discharge observations were continued at Sukkur and Kotri and observations of other kinds were also made as usual. The results will be published in the Indus River Records. The discharge at Sukkur during the inundation and the minimum discharge of the year, compared with the results of previous four years, are as follow :—

Month.	1914-15.	1915-16.	1916-17.	1917-18.	1918-19.
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
June	7,401,000	8,925,000	8,038,000	7,233,000	13,257,000
July	21,453,000	10,756,000	13,044,000	8,603,000	9,809,000
August	18,359,000	11,834,000	18,227,000	18,941,000	9,924,000
September	13,863,000	7,083,000	7,972,000	12,985,000	5,924,000
Total ...	61,076,000	38,598,000	47,281,000	47,762,000	38,914,000
Average discharge ... ...Cusecs ...	500,623	316,377	387,549	391,492	318,967
Maximum discharge ... ...Cusecs ...	948,728	430,445	735,348	740,279	521,890
Minimum discharge June to September ... ...Cusecs ...	176,894	134,888	73,287	126,049	92,901
Minimum discharge observed throughout the year ... ...Cusecs ...	40,664	25,546	17,568	28,083	21,784

Note.—These totals and their constituent figures are the sums of the daily observations of the Indus in cusecs. To arrive at its total discharge during the period concerned, the figures given in the table must be multiplied by 86,400 (the number of seconds in a day).

114. The discharge observations of the Indus at Mithankot during the cold weather above and below the junction with the Chenab were continued. The minimum discharge was 19,680 and 31,898 cusecs respectively at the two sites.

Extensions and Improvements and Special Repairs.

115. The estimated cost of the works under these heads sanctioned or approved during 1918-19 by the Indus River Commission for execution by the Executive Engineers and by the Commission is given below:—

District.	Extentions and Improvements.	Special Repairs.	Total.
A.—Indus Right Bank Division.	Rs.	Rs.	Rs.
Begari Canals	.....	42,999	42,999
Shikarpur Canals	1,565	57,000	58,565
Western Nara	55,168	.....	55,168
Karachi Canals	37,468	8,28,593	8,66,061
Total ...	94,201	9,28,592	10,22,793
B.—Indus Left Bank Division.			
Nasrat Canals	100	.....	100
C.—Indus River Commission.			
Works under the direct control of the Indus River Commission.	43,230	.....	43,230
Grand Total ...	1,37,531	9,28,592	10,66,123

116. The large expenditure shown against the Karáchi Canals District was required for the construction of new Belo and Marho loops. The old bunds were threatened during the past inundation season. The Belo Bund was actually eroded towards the end of the season while the Marho Bund will only just avoid erosion during the current inundation. No loss either to property or cultivation occurred owing to the erosion of the Belo Bund during the past inundation as the river was not very high.

Maintenance and Repairs.

117. The total expenditure under this head on the several works under the direct control of the Indus River Commission was Rs. 15,166 of which Rs. 3,039 were spent on the river gauge establishments at Sukkur, Kotri, Jerruck and the Indus Delta.

Total Expenditure.

118. The total expenditure incurred and accounted for by the Indus River Commission was:—

	Rs.
Works	25,444
Repairs	15,166
Establishment	80,764
Tools and Plant	3,890
Total ...	1,25,264

Snagging operations.

119. No snagging and clearance work was carried out as the dredger "Mudlark" was sent to Mesopotamia.

Erosion.

120. Heavy erosion occurred at mile 4/1 of Kashmor Bund, 12/5 and 28/0 of Sukkur Begari Bund, 100/0 of Western Nara Bund and 33/6 of the Mulchand Shahbunder Bund, the maximum rate of erosion being 280, 365, 300, 508 and 444 feet per week respectively.

121. The erosion between miles 32/0 to 34/2 of Mulchand Shahbunder Bund and 5/4 to 6/2 of Baghar Uchito Bund necessitated the construction of the Belo and Marho loops noted above.

122. The bend forming at Belo is becoming far more marked and the set of the river opposite the Marho loop bund is normal to the bund line. The erosion at the latter place has averaged over 40 feet per week during the present inundation and at times lengths of over 100 feet have been eroded in the case of individual ordinates. This erosion is considered heavy.

Sukkur Barrage.

123. The surveys in connection with the Barrage Project have been practically completed and the preparation of the plans and estimates is in hand. It is hoped shortly to submit the Barrage plans and estimates and a greatly increased staff is now employed on the preparation of the designs and estimates for the canals. The soil survey has been completed.

6.—MISCELLANEOUS.

Plantations.

124. The existing plantations on canals and along bunds in the Left Bank Division have been well cared for. New trees have been planted in all districts along the various canals and bunds and they are generally doing well.

125. No Egyptian cotton was grown in this Division. Irrigation of Cotton.

126. The following table shows certain details regarding the watering of indigenous cotton crops :—

District.	Lift lands.		Flow lands.		Date of last watering varied	
	Number of waterings.	Intervals between	Number of waterings.	Intervals between	From	To
Nasrat Canals	6	11 to 20 days	6 to 8	11 to 20 days	9th to 30th September.	
Hyderabad Canals	7 to 10	.....	.....	.....	13th to 20th September.	
Fuleli Canals	5 to 7	8 to 30 days	.....	.....	1st September to 30th October.	
Eastern Nara	.....	.....	3 to 6	.....	18th September to 10th October.	
Jamrao Canal, Northern ...	8 (average)	.....	8 (average)	.....	5th October to 30th November.	
Jamrao Canal, Southern ...	5 to 9	.....	5 to 9	.....	5th October to 21st December.	

III.—Deccan and Gujarát.

1.—Northern Division.

127. The rainfall during the year 1918-1919 was from the very beginning of the monsoon not only deficient but also very badly distributed, and consequently there was widespread failure of the whole cultivation except the crops that were irrigated. The flood in the Hathmati River helped to relieve the situation to some extent, but it was aggravated by Influenza which spread practically throughout the whole length and breadth of the country and greatly delayed agricultural operations owing to the consequent scarcity of labour. General remarks.

(i) First Class Irrigation Works.

128. The rainfall gauged at Ahmedabad and Prántij was 9·36 inches and 7·13 inches only against an average of 29·40 and 30·47 inches, respectively, for the last 30 years. There was in consequence a total failure of food grains and other crops and scarcity prevailed over Northern Gujarát, though not actual famine except in some parts of the Panch Mahals. Hathmati and Khari Cut Canals.

129. The monsoon made its appearance on the 31st May and about 1 to 1½ inches of rain fell at several stations on the Hathmati and Khari Cut Canals on that day and the next. Then it disappeared until the last day of June when it rained 1 to 2 inches. In July and August there were only drizzles at intervals, but on the 30th and 31st August it poured heavily from 2 to 6 inches at different places, and at Hadol in the Ahmedabad Collectorate the rainfall measured 12 inches. The next three days it drizzled measuring a few cents only and then it ceased altogether and the monsoon ended.

130. Owing to heavy showers all round and especially on the Abu side on the 30th and 31st August, both the Hathmati and Sabarmati rivers were flooded. The flood water of the Hathmati was diverted into the Bokh Reservoir filling it to 100 m.cft. One watering was given from this to about 150 acres of the bajri crop and 50 acres of sugarcane crop, using up about 70 m.cft. The remaining 30 m.cft. were used in filling up the Ashlali Gam and Naroda Gam Tanks and in the last watering of the rice fields. Due to further fall of rain, the cultivators raised juwari and bajri crops in their fields all along the canal line. It then became a very serious question to protect all the crops which required watering simultaneously all around, but with careful distribution about 800 acres were protected, every cultivator having been given the chance to irrigate some part of his fields. In this way fodder was secured for cattle, mitigating in a small way the fodder famine and giving employment to labour. Almost all village tanks along the canal line were filled for domestic purposes. Water was not available in a sufficient quantity for rabi, but what was available was given in rotation and about 259 acres were irrigated.

131. The discharge in the Khari Cut, which measured 31 cusecs after the first rainfall, was utilized in irrigating the hot weather crop over 830 acres upto the end of June. It was then diverted into the Chandola Tank, the water level in which rose from R. L. 131 to R. L. 132. On the 30th August, due to heavy rains, there was a flood in the Khari, which was allowed down the river. The water, however, having been absorbed on the way, never reached Pinglaj. On the 3rd September it was turned into the Chandola Tank, raising its level to 134·20 and storing 34 m.cft. This Chandola water was distributed to transplant rice over 30 acres of Kiari in the bagayat land of Dani Limda, but the outturn was about 6 annas in a rupee, as the transplantation was late and sufficient moisture was not left in the ground. Besides rice crops, the canal water was utilized in irrigating 400 acres of juwari crop and 50 acres of sugarcane crop.

132. As almost all monsoon days were dry, very little kharif crop was grown on rain during the year under report.

133. The area irrigated and the gross assessed revenue compare with the average for the triennium ending 1917-1918 as under :—

Name of Canal.	1918-1919.		Average of the previous three years.	
	Area irrigated.	Gross assessed revenue.	Area irrigated.	Gross assessed revenue.
	Acres.	Rs.	Acres.	Rs.
Hathmati Canal	1,453	6,173	2,320	6,977
Khari Cut Canal	1,395	7,856	5,668	39,731

Tanks in the Kaira Collectorate.

134. The area irrigated and the gross assessment on the Wangroli, Tranza-Nagrama, Savli and Saiat Tanks, as compared with the average of the triennium ending 1917-1918, are shown below :—

Name of Tank.	1918-1919.		Average of the previous three years.	
	Area irrigated.	Gross assessed revenue.	Area irrigated.	Gross assessed revenue.
	Acres.	Rs.	Acres.	Rs.
Wangroli	784	2,628	381	1,640
Tranza-Nagrama	...	...	10	287
Savli	281	1,502	547	1,936
Saiat	107	756	49	564

135. The Tranza-Nagrama Tank did not fill at all, but the Wangroli, Savli and Saiat Tanks filled partially, and the water was utilized in raising some kharif and hot weather crops. Due to scanty rainfall the cultivators were obliged to take water for rice and fodder crops and there was an increase in the kharif irrigation on these tanks. All these tanks were maintained in good condition at a cost of Rs. 12,151. Special repairs to Saiat Tank and Wangroli Tank Canals were carried out at a total cost of Rs. 497 and 504 respectively.

Futelao Tank.

136. The Futelao Tank did not fill and with the little water it received about 18 acres of land was irrigated in kharif which yielded a revenue of Rs. 35 against 45 acres and a revenue of Rs. 90 of the last year. The yield from cultivation in its bed was Rs. 107 against Rs. 160 during the previous year. The tank was maintained in good order at a cost of Rs. 1,227.

(ii) Second Class Irrigation Works and Agricultural Works.

Khari sluices.

137. The rainfall of the 30th June in the catchment round about Himatnagar increased the discharge at Raipur from 17 cusecs to 60 cusecs, which was all let down to the Khari Sluices for eight days but did not reach even Lali on account of absorption on the way, and to prevent such waste the water had to be taken into the Khari Cut and allowed to pass into the Chandola Tank. Thus on Khari Sluices no cultivation was done as the Khari did not flow at all during the whole season. The overflow of the Sabarmati River, however, flooded the Naika and some of Chanindra lands and the people of these villages cultivated some juwari.

Muwalia Tank.

138. The rainfall gauged at Muwalia was 11·28 inches, which was much below the average. The tank, however, had, due to the heavy rains of 1917, some storage left over from the previous year which helped much in irrigating the kharif crop as well as the hot weather crops. The kharif irrigation showed a marked increase as compared with the last three years, while there being scarcity of rain during the year under report, the rabi irrigation decreased. The total irrigation in the year is greater than that in the past three years, the area irrigated being 724 acres and the revenue Rs. 2,030. The miscellaneous receipts derived from the cultivation, etc., in the tank bed were, in addition, Rs. 289 against Rs. 343 last year. The tank and the canals were maintained in good condition at a cost of Rs. 2,936 and the total revenue was Rs. 2,319.

Old tanks.

139. Improvements to 63 and repairs to 51 small irrigation tanks in the Gujarát Irrigation District and repairs to 24 tanks in the Surat and Broach District were executed at a total cost of Rs. 50,096 and Rs. 32,133 respectively.

Drainage Channels.

140. The drainage channels in the Surat and Broach and Gujarát Irrigation Districts were maintained at a cost of Rs. 5,082 and Rs. 7,321 respectively and the reclamation works in the former at a cost of Rs. 3,411.

141. The following works were in progress during the year :— Works in progress

(i) The Timba Tank at Harsol, taluka Prántij, Ahmedabad District;

(ii) The Matewal Tank at Salun and Nanodra villages, taluka Thásra, Kaira District;

(iii) The Fudsar Tank at Lasundra, taluka Kapadvanj, Kaira District;

(iv) The Bodidra Bujrag Tank; and

(v) The Tank at Dangaria, Táluka Godhra, Panch Maháls.

2.—CENTRAL DIVISION.

142. In the Central Division there are few irrigation works of importance.

143. The year under report had very scanty rainfall throughout the Central Division and consequently there was insufficient replenishment in the tanks while the demand for canal water was very great.

(i) First Class Irrigation Works.

144. The area irrigated under this tank was 4,804 acres against 2,250 acres, the average of the previous three years and the gross assessed revenue amounted to Rs. 1,23,387, showing an increase of Rs. 34,885 over the average for the past triennium. The high increase was due mainly to the issue of water freely to non-lease-holders, especially for food and fodder crops owing to the general scarcity. It was also due in this and other cases to the unexpected and extraordinary demand for canal water that was experienced in both the monsoon and rabi seasons owing to the persistent holding off of the rains in July and August when water is most needed for the maturity of the monsoon crops. Ekruk Tank.

145. The Agricultural Department has been making experiments on new methods of planting sugarcane on the Ekruk Canal, similar to those tried at the Manjri Farm in the Poona District. 50 acres were allowed to be grown with sugarcane for these experiments on payment of the usual water rate, by the owners who offered to try the new methods.

146. These canals form an important irrigation system in the East Khándesh District. The eight months rabi leases introduced on these canals in October 1916 are now becoming more popular and receiving greater attention at the hands of the cultivators. The holding off of rains in the middle of July and August 1918 at a time when rain is most needed for the kharif crops, opened their eyes and made them seek the protection afforded by the canals and enter into the new system of leases. The result was that the area under the rabi leases increased by 323 acres, *i. e.*, from 262 acres to 585, against the minimum estimated lease area of 1,000 acres. The most important requirement for making the Jamda canals remunerative independently is a separate storage reservoir. At present the Girna river discharge at the Jamda Bandhara is supplemented by a supply of water from the Chankapur tank, but it is not to be depended on permanently as it has its own large irrigated area to provide for. Jamda Canals

147. All other works except the Mukti and the Koregaon Tanks showed an increase in area as compared with the average areas for the preceding triennium and it was due to the extraordinary demand for water owing to the failure of rains. The decrease under the Mukti Tank was due to insufficient storage in the tank, in consequence of which water had to be refused to many late applicants as it had to be reserved for the irrigators of Kayam Bagait lands and for those whose applications were received in time and accepted. The revenue under the tank was, however, greater due to unauthorised use of canal water for which double the prescribed rates were assessed. The fall in area under the Koregaon Tank was also due to insufficient storage, and water from the tank could not be issued to all the lease-holders to the full extent; there was consequently a fall in revenue from the tank. Other works.

148. The total area irrigated on all the first class irrigation works in this Division was 22,955 acres and the gross assessed revenue Rs. 2,22,366 as against 12,235 acres and Rs. 1,56,494 respectively, the averages of the previous triennium.

(ii) Second Class Irrigation Works.

149. The total expenditure on extensions and improvements and maintenance and repairs to the Bandharas in the East and West Khándesh Districts was Rs. 2,635.

3.—DECCAN IRRIGATION DIVISION.

(i) First Class Irrigation Works.

(a) Works in existence.

Protective Works.

150. Of the works in operation in the Deccan, the Nira Left Bank Canal, which is situated in the Poona District, is the most important at present. Nira Left Bank Canal, and Shetphal Tank.

151. The total area irrigated under this canal during the year under review was 54,642 acres, the gross revenue from all sources being Rs. 6,40,550. These figures are much above the average, the increase being mainly due to the very high demand for water for rabi crops owing to the total failure of the rabi rains.

Mhaswad Tank.

152. The total area irrigated under the Mhaswad Tank, in the Sholápur District, was 9,577 acres and the gross revenue realised from all sources Rs. 57,161. The latter figure is much above the average, the increase being partly due to the failure of the monsoon and consequent high demand for water and partly to the revenue realised by letting out the land in the tank basin for cultivation.

Godavari Canals.

153. The Godavari Canals scheme comprises the following works :—

(1) Lake Beale Storage Reservoir.

(2) Pick-up-weir at Nandur Madhmeshwar.

(3) Godavari Right and Left Bank Canals.

154. *Godavari Right Bank Canal.*—The whole length of 70½ miles of the canal together with all its distributaries has been completed. The whole of the canal was in operation during the year and the area irrigated was 28,280 acres, the revenue realised from all sources being Rs. 3,04,950. The cultivation under irrigation has not yet been fully developed. This, except for sugarcane plantation, will take some time under normal rainfall conditions.

155. *Godavari Left Bank Canal.*—The whole length of 48 miles of this canal together with all its distributaries has also been completed. The canal was in operation during the year and the area irrigated was 17,614 acres, the revenue realised from all sources being Rs. 2,09,510.

156. The increase in areas irrigated under these two canals is due to the extension of rabi irrigation and the increase in revenue partly to the extension of rabi irrigation and partly to the enhancement of rates for sugarcane and other perennial crops.

Productive Works.

Mutha Canals and Matoba Tank.

157. The Mutha Canals system irrigated a total area of 17,662 acres, the gross revenue from all sources being Rs. 5,75,485 including Rs. 2,55,811 realised from the Poona Water Supply. The increase in area is due to the abnormal demand for rabi water owing to the total failure of the rabi rains. The proposal for the separation of the accounts of the Poona Water Supply from those of the Mutha Canals system was approved by the Government of India towards the close of the year and the necessary adjustments in the accounts were carried out.

(*b*) *Works under construction.*

Protective Works.

Pravara Canals.

158. The Pravara Canals Irrigation Project comprises :—

(1) Lake Arthur Hill Storage.

(2) Pick-up-weir at Ojhar.

(3) The Pravara Right and Left Bank Canals.

159. The total expenditure incurred during the year on this scheme was as under :—

	Rs.
(1) Lake Arthur Hill Storage	4,30,969
(2) Pravara Right Bank Canal	20,741
(3) Pravara Left Bank Canal	1,56,476
Total	6,08,186

160. *Lake Arthur Hill Dam.*—During the year under review, the masonry of the Dam throughout its length was raised from R.L. 2307 to R.L. 2333. A gap of 200 feet is left in the centre of the Dam at R.L. 2333 to allow the floods to pass through the central portion. Flank walls have been raised on both banks for about half the width of the Dam, 13 to 15 feet higher than the centre portion with cross-walls up to the downstream face.

161. The quantity of masonry done in the Dam during the year was about 12 lákhs of cubic feet against 7 lákhs done during the last year. This satisfactory result was due to the introduction of the scheme of selling cheap grain to the labour employed on the work. Owing to this arrangement there was a large influx of labour on the work, thus accelerating the progress of masonry and at the same time relieving the stress of famine in the neighbouring localities, where no famine works had to be opened.

162. The total quantity of the work carried out up to the end of March 1919 was about 74½ lákhs of cubic feet or about 56 per cent. of the total estimated masonry in the Dam. The Dam will probably be completed in 1923.

163. *Sluices.*—The third sluice at R.L. 2327·63 has been finished and the flank wall carried across over the same to join the rock cliff on the right bank. The pillars of the other two sluices have been raised to R.L. 2345·0 in level with the flank wall.

164. *Waste weir.*—The excavation was further extended during the year under report in soft materials for filling in the embankment on the low saddle. Excavation in hard rock was continued and the useful materials were utilised for the masonry of the two core walls and the Dam.

165. *Flood embankment on old waste weir.*—The masonry core wall has been in progress in full length and completed to the required height in a length of 500 feet at the east end. The remaining portion has been raised to an average height of 10 feet. The earthwork of the embankment has been in progress along the whole length and completed for about 400 feet.

166. The expenditure during the year on the masonry dam and other works was Rs. 4,30,969, the total expenditure on works only up to 31st March 1919 being about Rs. 34 lákhs. The estimated cost of the dam for works only is Rs. 54,91,730.

167. *Pick-up weir at Ojhar.*—The raising of the weir together with the construction of the Head Regulator with the scouring sluices for the Pravara Left Bank Canal have been completed.

168. *Pravara Left Bank Canal.*—The work of widening and extension of the old canal was started in 1910, and the earthwork and all the masonry works on the main canal are completed. Continuous progress on the construction of the distributary system is maintained and the canal will be ready in all respects for all classes of irrigation by the time an adequate supply of water is available from the Bhandardara Storage under construction.

169. *Pravara Right Bank Canal.*—All the works on this canal are completed including distributaries. The construction of the tail channel and the Rahuri Distributary is making satisfactory progress.

170. The canal was in operation upto mile 33, but the supply of water was inadequate and will remain so until water is available from "Lake Arthur Hill" at Bhandardara.

171. *Chankapur Tank.*—The supply in the Girna River was sufficient to meet the requirements of the Girna Canal up to 2nd November 1918, when the tank was drawn up on for irrigation on the Girna River System and also for irrigation under Second Class works and Jamda Canals in the East Khándesh District. Girna River Works.

172. *Girna Left Bank Canal.*—This canal irrigated during the year under report a total area of 4,495 acres and the gross revenue from all sources was Rs. 21,147. The large increase in the irrigated area is due to the very low rainfall during the year. The extension of this canal was in progress and the expenditure incurred thereon during the year was Rs. 15,513.

173. The project comprises the following works:— Nira Right Bank Canal.

(1) Building a new Dam at Bhatghar.

(2) Constructing a canal on the right bank from Vir upto Piliv for a length of about 88 miles.

174. *Lake Whiting Dam.*—The quantity of masonry laid during the year was about 18 lákhs of cubic feet. The total quantity carried out upto the end of March 1919 was about 56¼ lákhs of cubic feet or about 28 per cent. of the total estimated masonry in the dam. The dam will probably be completed in the year 1928.

175. *Gunjawani Bridge.*—The construction of the Gunjawani Bridge, which was started in 1917, was completed during the year under report.

176. *Nira Right Bank Canal—Earthwork.*—Embankment work in the whole length of the canal is very nearly completed except for the gaps left for the construction of masonry works.

177. *Masonry Works.*—Out of the total number of 20 aqueducts, 88 culverts and 38 road bridges on this canal, 1 aqueduct, 26 culverts and 11 road bridges have been completed to end of 1918-19. During the year under report 1 aqueduct, 8 culverts and 7 road bridges have been completed and 18 aqueducts, 34 culverts and 12 road bridges are in progress. The masonry works under D—Regulators have not yet been taken in hand. A number of permanent buildings required in connection with the project have already been constructed and a few are under construction.

178. The total expenditure incurred during the year was as under:—

	Rs.
(1) Lake Whiting Storage	5,17,481
(2) Nira Right Bank Canal	6,52,614
Total ...	11,70,095

179. On the whole, the progress on the various construction works in the Division is considered to be good in view of the unprecedented labour difficulties mainly due to the outbreak of Influenza and the unusual rise in the prices of food grains combined with a great scarcity of fodder. General.

180. *Special Duty.*—The officer placed by Government on special duty under the Deccan Irrigation Division completed, during the year under review, his investigations with regard to the future policy of irrigation in the Nira valley and also the re-investigation of the site for a large new dam adjacent to the site of the existing pick-up weir at Vir, which is 18 miles below the Bhatghar Dam on the Nira River.

(ii) Second Class Irrigation Works.

181. During the year under report, the outlay on repairs, extensions and improvements to the Bandharas and small village channels was Rs. 19,459 as against Rs. 24,452 for the previous year.

4.—SOUTHERN DIVISION.

(i) First Class Irrigation Works.

182. The first class works in the Southern Division which are 15 in number irrigated over 36,000 acres of land and earned a gross assessed revenue of Rs. 2,01,500. This shows an increase of 40 per cent. in the area irrigated and of 24 per cent. in revenue when compared with the average of the previous three years. The increase was due to more demand for water on account of scanty rainfall during the year.

Krishna Canal.

183. The Krishna Canal is the only Major Work in this Division. It takes off from the left bank of the Krishna River from a weir built near the village of Khodsi in the Karád Táluka of the Sátára District and is 36 miles in length.

184. Certain improvements to the Khodsi weir which were sanctioned in 1916 with a view to increase its capacity of storage have been postponed owing to the abnormally high price of iron, etc., required for the work. The work will be resumed when normal conditions are restored. The expenditure already incurred on this work amounts to Rs. 59,100 against the estimated cost of Rs. 85,226.

185. During the year silt was removed from miles 15 to 20 at a cost of Rs. 1,585. The work of repairing the damage caused to the canal by the heavy rains of 1917-18 was also completed at a cost of Rs. 2,580. The canal irrigated 8,127 acres of land and yielded a gross revenue of Rs. 84,774.

Gokak Canal.

186. The most important of the first class Minor Works in this Division is the Gokak Canal. This irrigation system consists of a masonry weir across the Ghataprabha River at Dhupdal in the Belgaum District and a short length of canal taking off from the reservoir formed by the weir.

187. The weir crest (2,985 feet in length) was as usual temporarily raised by 2 feet at a cost of Rs. 1,296 in order to increase the storage of water for the rabi season. In spite of scanty rainfall full storage up to the crest of the raised weir was obtained. Generally this level is maintained nearly for two months, but in the year under report owing to scanty rain and consequent low discharge in the river it did not continue even for a week. The additional storage of 256 millions cubic feet thus obtained was found very useful for the irrigation of the rabi crop.

188. The Mills at Gokak are to be supplied with water at the rate of 146 cusecs for 13 hours a day (except Sundays) for which the Mills pay to Government Rs. 14,313 per year. But in the year under report, owing to the low water level in the reservoir the supply was reduced to three-fourth of the usual quantity on the 20th and 21st March 1919 and to half from the 4th April to 27th June 1919.

189. The existing arrangements to supply the pumping engine of the Madras and S. M. Railway Company with water for which the Company pays at the rate of one anna per engine watered subject to the minimum of Rs. 25 per month were continued during the year.

190. The water in the Dhupdal reservoir reached its lowest level standing at 18 feet above the sill of the sluices on the 15th May 1918. Thereafter the reservoir began to fill till 24th August when the water reached a level of 2·14 feet above the permanent crest of the weir.

191. The total rainfall was considerably below the average and nearly $\frac{1}{3}$rd of it fell in the hot weather when it was not of any use, being untimely. The rainfall during the kharif and rabi seasons was very scanty and therefore the draw off from the reservoir commenced very early this year, *i.e.*, from 17th December 1918, and thus there was shortage of supply for the perennial crops. By economical and judicious use of water, the supply to the perennial crops was, however, maintained till 29th March 1919, when there remained in the tank only 15 feet depth of water which was reserved for the Mills.

Revari and Chikhli Canals.

192. The only two works taking off direct from rivers without storage are the Revari and Chikhli canals in the Sátára district. The Revari canal is about 6 miles in length and takes off from above an ancient Bandhara situated on the river Vasna in the Koregaon táluka. The Chikhli canal is a small irrigation channel only $6\frac{1}{2}$ miles in length and has its origin from the weir built in the Nandni River in the Khánápur táluka. These works irrigated over 600 acres of land and yielded a gross revenue of about Rs. 3,500.

193. The improvements to the Dharma Canal which were sanctioned in 1909 were in progress during the year. Nine outlets have been completed and the regulator No. 8 is nearing completion. The outlay on "works" up to the end of the year amounted to Rs. 76,342 against the revised estimate of Rs. 77,798. The delay in the completion of this work is mainly due to the labour difficulty. Dharma Canal.

194. The crops under direct irrigation of the canal from miles 1 to 10 suffered owing to the insufficient supply of water in the canal due to the scanty rain and in the lower reaches below mile 10th the crops altogether failed. The water was admitted into the canal on the 24th June 1918 and the canal ceased to flow on the 1st December 1918.

195. Of the canals furnished with storage works the three most important are in the Sátára district. The first known as the Yerla river irrigation works consists of the Nehr tank having a canal 8¼ miles in length starting from the right bank of the river Yerla at the Nehr tank and two other canals, *viz.*, the Yerla right bank, 15½ miles in length, and the Yerla left bank, 8½ miles long, starting from a pick-up weir across the Yerla river at Khatgun. Yerla River Irrigation works.

196. The Yerla river irrigation works irrigated an area of about 4,500 acres of land and yielded a gross revenue of Rs. 22,600.

197. The rainfall during the year was exceptionally poor and as water was given in the rabi season for growing food and fodder crops the perennial irrigation suffered considerably.

198. The Maini tank is the second system. The Maini tank canal derives its water supply from a large nalla that falls into the river Yerla in the southern portion of the Khatáo táluka. The canal is 9½ miles in length and irrigates lands in both Khatáo and Khánápur tálukas. It irrigated about 2,300 acres of land and yielded a gross revenue of Rs. 9,000. Maini Tank.

199. The Upper Man River Works is the third system referred to and consists of a tank at Pingli which supplies the right bank canal, 4 miles in length, and also a distributary on the left side, *viz.*, Dahewádi canal, 3½ miles in length. Both of these tail into the Gondaola canal (7 miles in length) which has an independent origin at a weir across the Man river. Lower down the river the Lodhavada canal (3½ miles) has its source. This system irrigated an area of 1,100 acres and yielded a gross revenue of Rs. 5,600. Upper Man River Works.

200. The remaining works are all small tanks mostly in the Dhárwár district and they irrigated from 55 to 900 acres. Other works.

(ii) Second Class Irrigation Works.

201. Most of the second class irrigation works are in the Dhárwár district and on them depends the success of the important rice cultivation in the hills. During the year repairs to 79 tanks were carried out and the expenditure on them amounted to Rs. 51,000 against Rs. 37,000, the average of the previous three years.

202. The total area irrigated by these works was about 79,500 acres and the irrigation share of the gross assessment amounted to Rs. 1,80,500.

5.—SCIENTIFIC WORKS.

(*a*) Engineering questions that have arisen.

203. Observations to ascertain loss by evaporation and absorption were made by means of iron tanks in the Pathri, Ashti and Ekruk tanks.

204. Locking arrangements to the outlets under the Ashti Tank were provided to prevent irrigators from taking canal water unauthorisedly.

(*b*) Special Irrigation District.

205. During the year a small area of ratoon cane (Khodwa) was irrigated near the Septic Tanks with effluent. The pumping plant installed to pump water from the Mutha Right Bank canal to this area has now been removed, as it has been found that water dilution is not absolutely necessary. It has been decided to use the Septic Tank area in future as a safety valve area on to which the effluent can be diverted in case of emergency. Septic Tanks, Hadapsar, Poona.

206. Total area irrigated under the Septic Tanks was 63 acres and the revenue derived therefrom Rs. 1,228.

207. The work of remodelling Distributary No. 5 of the Mutha Right Bank Canal is nearing completion, the expenditure incurred during the year being Rs. 10,494. Remodelling Distributary No. 5, Mutha Right Bank Canal.

208. The experimental farm on Distributary No. 5 was completed during the year. Sugarcane, fodder crops, vegetables and pan garden were grown on the farm. Experimental farm.

209. *Contouring.*—The area of 70,000 acres commanded by the Nira Left Bank Canal between Haturna and Vadapuri Nalas was contoured during the year out of the whole area of 93,350 acres to be contoured under this canal. Nira Left Bank Canal.

210. *Nala Surveys.*—Sub-soil and Nala surveys to study the sub-soil conditions were continued during the year at a cost of Rs. 1,592. It was found that superficial classification alone which was completed for the perennial section of the Nira Canal did not give sufficient data for reclaiming lands by deep drainage and it is essential to have a sub-soil

survey of all areas in order to enable the location and opening up of old drains. This survey was therefore started and is in progress in the following selected areas under the Nira Left Bank Canal:—

(1) Area between Distributary 23 Branch and Distributary 25.

(2) Land drainage of area of the catchment of nala passing through culvert 28.

(3) Land drainage of the catchment of culvert 29.

211. *Nala clearance in salt-affected land.*—The experimental work of reclaiming the salt-affected area near Bárámati was continued during the year. This consisted of excavating new trenches and deepening the existing ones to drain off the sub-soil water.

212. The subjoined comparative table of water levels shows the results of the experiments carried out:—

Year.	Approximate average water levels from ground in hot weather.	Reduction.	Remarks.
1915	0′ – 2′	...	Before any sort of drainage was done.
1916	3·5′ – 4′	2′ – 3·5	Due to Nala trench and upper trench.
1917	3·0′ – 3·5′	1·5′ – 3′	Means a rise of 0·5′ as compared to 1916. This was due to heavy rains.
1918	3·5′ – 4·5′	2·5′ – 3½′	Due to south trench and middle trench.
1919	4·5′ – 5·0′	3·0′ – 4·5′	Due to middle trench deepening and famine year.

Godavari Canals.

213. The work done during the year under report was chiefly sub-soil survey, the surface classification, however, was done simultaneously of about 26,548 acres in 17 villages under the Godavari Right Bank Canal.

214. For sub-soil work the areas chosen were by drainages and not by villages. Various drainage areas were taken in hand and sub-soil sections were run along and across the nalas. Pits were carried down to a porous strata either massive kankar or murum. Fifteen areas thus selected were surveyed during the year and from the data collected schemes of drainage are being prepared.

(*c*) River Gauging.

215. The gauging operations were continued at the 39 stations instituted on some of the rivers in the Deccan.

216. The observed discharges for the year 1918-19 were the lowest on record due to low rainfall. The results are published in the "Annual Report of the supplies of water available for irrigation works, etc."

217. As usual a training class was held in Poona where practical instructions and demonstrations were given to the old and new gauge karkuns before they commenced work on their respective gauges.

218. Arrangements for the establishment of additional rain gauges within the catchment areas of Lake Beale and Kadwa at Palkhed in the Násik Irrigation district have been made, as the existing ones are not sufficient for determining the real average of the rainfall over the catchments in question.

219. The several rain gauges in the Belgaum and Sátára districts were maintained as usual during the year by the respective Executive Engineers.

(*d*) Experiments on the Efficiency of Canals.

220. Another annual publication gives a record of observations for the flow and losses in canal, the quantity of water used for irrigation and the loss from tanks.

221. Occasional notes are written upon the saturation of earthen dams and the rate of deposit of silt in tank basins for which observations are being made continuously.

ADMINISTRATIVE ACCOUNTS

PUBLIC WORKS DEPARTMENT

(IRRIGATION)

BOMBAY PRESIDENCY

FOR THE YEAR

1918-19.

H 1910 -1

TABLE OF CONTENTS.

	Name of Work.	No. 1 General Abstract of Financial Results.	No. 2 Capital Account.	No. 3 Revenue Account.	No. 4 Interest Account.	No. 5 Account of Indirect Charges.	No. 6 Statement comparing Charges to date with sanctioned estimate.
		Pages.	Pages.	Pages.	Pages.	Pages.	Pages.
	35.—*Protective Irrigation Works.*						
1	Pravara River Canals	4 & 5	8 & 9	10	11	11	12
2	Chankápur Tank	4 & 5	13 & 14	15	16	16	16
3	Godáveri Canal	4 & 5	17	18	19	19	19
4	Nira Canal, including Shetphal Tank ...	4 & 5	20 & 21	22 & 23	23	23	24
5	Mhasvad Tank	4 & 5	...	25 & 26	26	26	...
6	Gokák Canal—First Section	4 & 5	...	...	...	...	...
7	Máládevi Tank	4 & 5	...	...	27	27	27
8	Budhihal Tank	4 & 5	28	...	29	29	29
9	Nira Right Bank Canal	4 & 5	30	...	31	31	31
	49.—*Irrigation Works.*						
10	Desert Canal	4 & 5	32	33	34	34	35
11	Unharwah	4 & 5	...	36	37	37	...
12	Begári Canal	4 & 5	38	39	40	40	40
13	Mahiwah do.	4 & 5	41	42	43	43	43
14	Eastern Nára Works	4 & 5	44	45	46	46	46
15	Jámrao Canal	4 & 5	47 & 48	49	50	50	50
16	Dád do.	4 & 5	51	52	53	53	53
17	Nasrat do.	4 & 5	54	55	56	56	56
18	Navlákhi do.	4 & 5	...	...	57	...	57
19	Háthmati and Khári Cut Canals... ...	4 & 5	...	58	59	59	...
20	Lower Pánjhra River Works	4 & 5	...	60	61	61	...
21	Kádva River Works	4 & 5	...	62 & 63	63	63	...
22	Pravara River Works—Lákh Canal ...	4 & 5	...	64 & 65	65	65	...
23	Mutha Canals, including Mátoba Tank ...	4 & 5	66 & 67	68 & 69	69	70	70
24	Ekrúk Tank	4 & 5	...	71 & 72	72	72	...
25	Krishna Canal	4 & 5	73	74 & 75	75	75 & 76	76
	43.—*Minor Works and Navigation.*						
26	Sukkur Canal	6 & 7	77	78 & 79	...	79	80
27	Ghár do.	6 & 7	...	81 & 82	...	82	...
28	Suttah do.	6 & 7	...	83	...	83	...
29	Alibhar Kacheri Canal	6 & 7	...	84	...	84	...
30	Márak Great do.	6 & 7	85	86	..	87	87
31	Sarfrázwah	6 & 7	...	88	...	88	...
32	Fuleli Canal	6 & 7	89	90 & 91	...	91	92
33	Hasanaliwah	6 & 7	...	93	...	93	...
34	Wangroli Tank	6 & 7	...	94	...	94	94
35	Tránza—Nagrama Tank.	6 & 7	...	95	...	95	...
36	Sávli Tank	6 & 7	...	96	...	96	...
37	Sahiat do.	6 & 7	...	97	...	97	...
38	Suki River do.	6 & 7	...	...	...	98	98
39	Futelao do.	6 & 7	...	99	...	99	...
40	Hartála do.	6 & 7	...	100	...	100	...
41	Mhasva do.	6 & 7	...	101	...	101	...
42	Jámda Canals	6 & 7	...	102	...	102	...
43	Parsul Tank	6 & 7	...	103	...	103	...
44	Pravara Left Bank Canal	6 & 7	...	104	...	104	...
45	Bhátodi Tank	6 & 7	...	105	...	105	...
46	Kásurdi do.	6 & 7	...	106	...	106	...
47	Shirsuphal do.	6 & 7	...	107	...	107	...
48	Bhádalvádi do.	6 & 7	...	108	...	108	...
49	Victoria do.	6 & 7	109	...	...	110	110
50	Koregaon do.	6 & 7	...	111	...	111	...
51	Ashti do.	6 & 7	...	112	...	112	...
52	Páthri do.	6 & 7	...	113	...	113	...
53	Revári Canal	6 & 7	...	114	...	114	...
54	Upper Mán River Works	6 & 7	...	115	...	115	...
55	Yerla River Irrigation Works	6 & 7	...	116	...	116	...
56	Chikhli Canal	6 & 7	...	117	...	117	...
57	Maini Tank	6 & 7	...	118	...	118	...
58	Muchkundi do.	6 & 7	...	119	...	119	...
59	Gadikeri do.	6 & 7	...	120 & 121	...	121	...
60	Gokák Canal—First Section, and Storage Works	6 & 7	...	122	123	123	...
61	Dámbal Tank	6 & 7	...	124	...	124	...
62	Medleri do.	6 & 7	...	125	...	125	...
63	Madag do.	6 & 7	...	126	...	126	...
64	Asundi do.	6 & 7	...	127	...	127	...
65	Dharma Canal	6 & 7	128	129	...	130	130
66	Mávinkop Tank	6 & 7	...	131	...	131	...
67	Gokák Canal—Second Section	6 & 7	...	...	...	...	...
68	Works for which only Revenue Accounts are kept—Sind	6 & 7	...	132	...	...	...

IRRIGATION BRANCH.

PUBLIC WORKS ADMINISTRATIVE ACCOUNTS

No. I.—*General Abstract of Financial Results showing the estimated Cost of Construction of Major and the Simple Interest on the*

MAJOR

Name of Work.	Estimated Cost of Construction.			Capital Outlay.						Receipts.
				During 1918-1919.			To end of 1918-1919.			
	Direct Charges.	Indirect Charges.	Total.	Direct Charges.	Indirect Charges.	Total.	Direct Charges.	Indirect Charges.	Total.	Water-rates, &c.
1	2	3	4	5	6	7	8	9	10	11
35.—PROTECTIVE IRRIGATION WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
DECCAN AND GUJARÁT.										
Works in Operation.										
Pravara River Canal ...	1,11,20,711	5,49,881	1,16,70,592	7,75,838	22,043	7,97,881	81,19,803	2,59,327	83,79,130	15,243
Chankápur Tank	18,88,840	64,232	19,53,072	19,600	526	20,126	18,75,204	62,001	19,37,205	20,426
Godáveri Canal	96,53,924	4,93,397	1,01,47,321	42,475	1,398	43,873	96,03,059	4,91,716	1,00,94,775	2,12,170
Nira Canal and Shetphal Tank	61,73,685	3,67,922	65,41,607	9,979	265	10,244	61,69,237	3,68,596	65,37,833	2,16,205
Mhasvad Tank	20,05,553	90,463	20,96,016	...	...	...	20,05,553	90,463	20,96,016	30,751
Gokák Canal, First Section ...	4,00,939	11,727	4,12,666	...	...	...	4,00,939	11,727	4,12,666	...
Total, Works in Operation...	3,12,43,652	15,77,622	3,28,21,274	8,47,892	24,232	8,72,124	2,81,73,795	12,83,830	2,94,57,625	4,94,795
Works under Construction.										
Máládevi Tank	3,04,671	9,903	3,14,574	...	...	...	3,02,040	9,888	3,11,928	...
Budhihal do.	13,98,529	56,082	14,54,611	173	5	178	4,91,463	18,293	5,09,756	...
Nira Right Bank Canal ...	2,49,71,868	8,00,631	2,57,72,499	18,01,721*	49,323	18,51,044	1,42,58,697	3,24,403	1,45,83,100	...
Total ...	2,66,75,068	8,66,616	2,75,41,684	18,01,894	49,328	18,51,222	1,50,52,200	3,52,584	1,54,04,784	...
Total, Protective Irrigation Works	5,79,18,720	24,44,238	6,03,62,958	26,49,786	73,560	27,23,346	4,32,25,995	16,36,414	4,48,62,409	4,94,795
49.—IRRIGATION WORKS.										
SIND.										
Works in Operation.										
Desert Canal	26,55,351	80,019	27,35,370	13,328	326	13,654	26,54,805	80,006	27,34,811	69,189
Unharwáh	7,68,050	20,780	7,88,830	...	...	...	7,68,050	20,780	7,88,830	781
Begári Canal	24,69,981	64,606	25,34,587	41,776	1,021	42,797	24,03,220	79,306	24,82,526	23,360
Mahiwah	14,45,248	72,108	15,17,356	...	...	...	13,80,892	58,792	14,39,684	641
Eastern Nára Works ...	72,95,515	2,53,074	75,48,589	1,58,172	5,427	1,63,599	69,63,343	2,41,125	72,04,468	22,366
Jámráo Canal	86,65,928	2,58,897	89,24,825	62,741	1,684	64,425	87,11,551	2,60,068	89,71,619	31,939
Dád do.	25,66,662	98,045	26,64,707	—6,882	—236	—7,118	25,67,728	93,782	26,61,510	2,213
Nasrat do.	18,06,777	58,189	18,64,966	—1,068	—37	—1,105	18,06,777	58,189	18,64,966	1,398
Total, Works in Operation...	2,76,73,512	9,05,718	2,85,79,230	2,68,067	8,185	2,76,252	2,72,56,366	8,92,048	2,81,48,414	1,51,887
Works under Construction.										
Naulákhi Canal	12,17,935	44,619	12,62,554	...	...	...	5,112	33	5,145	...
Sukkur Barrage Works ...	...	...	...	...	...	...	—284	...	—284	...
Total, Sind ...	2,88,91,447	9,50,337	2,98,41,784	2,68,067	8,185	2,76,252	2,72,61,194	8,92,081	2,81,53,275	1,51,887
DECCAN AND GUJARÁT.										
Works in Operation.										
Háthmati Canal and Khari Cut Canal	12,40,983	74,990	13,15,973	...	...	...	12,40,983	74,990	13,15,973	41,215
Lower Pánjhra River Works.	4,45,382	23,239	4,68,621	...	...	...	4,45,382	23,239	4,68,621	15,721
Kádva River Works... ...	9,71,741	62,450	10,34,191	...	...	...	9,71,741	62,450	10,34,191	44,226
Pravara River Works— Lákh Canal	3,52,446	19,445	3,71,891	...	...	...	3,52,446	19,445	3,71,891	1,941
Mutha Canals and Mátoba Tank	62,39,109	2,95,144	65,34,253	—5,14,416	—6,413	—5,20,829	62,39,003	2,95,141	65,34,144	3,55,997
Ekrúk Tank	12,28,117	1,12,269	13,40,386	...	...	...	12,28,117	1,12,269	13,40,386	1,15,064
Krishna Canal	8,95,262	51,507	9,46,769	...	...	...	8,92,977	51,482	9,44,459	31,042
Total, Deccan and Gujarát...	1,13,73,040	6,39,044	1,20,12,084	—5,14,416	—6,413	—5,20,829	1,13,70,649	6,39,016	1,20,09,665	6,05,206
Total, 49.—Irrigation Works	4,02,64,487	15,89,381	4,18,53,868	—2,46,349	1,772	—2,44,577	3,86,31,843	15,31,097	4,01,62,940	7,57,093
GRAND TOTAL ...	9,81,83,207	40,33,619	10,22,16,826	24,03,437	75,332	24,78,769	8,18,57,838	31,67,511	8,50,25,349	12,51,888

Note.—Direct charges under Working Expenses include share of collection charges in the Civil Department calculated

* Includes Re. 1 adjusted by Journal Entry third batch.

Bombay, 21st October 1919.

BOMBAY PRESIDENCY.

DEPARTMENT.

FOR THE YEAR 1918-1919.

Works, the Capital Outlay thereon, the Revenue derived therefrom, the Working Expenses, Direct Capital Outlay on those Works.

WORKS.

During 1918-1919.		Working Expenses during 1918-1919.			Net result, excluding interest (difference between revenue and working expenses).				Simple Interest during 1918-19.	Net result, including interest.			
							Rate per cent.					Rate per cent.	
Collected with Land Revenue.	Total.	Direct Charges.	Indirect Charges.	Total.	Excess revenue (surplus).	Excess expenditure (deficit).	Of excess revenue.	Of excess expenditure.		Excess revenue (surplus).	Excess expenditure (deficit).	Of excess revenue.	Of excess expenditure.
12	13	14	15	16	17	18	19	20	21	22	23	24	25
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.			Rs.	Rs.	Rs.		
...	15,243	29,083	1,782	30,865	...	15,622	...	0·19	2,69,209	...	2,84,831	...	3·40
...	20,426	22,496	1,184	23,680	...	3,254	...	0·17	64,950	...	68,204	...	3·52
...	2,12,170	1,88,099	11,029	1,99,128	13,042	...	0·13	...	3,33,620	...	3,20,578	...	3·17
...	2,16,205	1,18,132	6,263	1,24,395	91,810	...	1·40	...	2,14,627	...	1,22,817	...	1·88
...	30,751	20,145	1,239	21,384	9,367	...	0·45	...	69,829	...	60,462	...	2·88
...	...	...	...	...	...	...	...	...	13,960	...	13,960	...	3·38
...	4,94,795	3,77,955	21,497	3,99,452	95,343	...	0·32	...	9,66,195	...	8,70,852	...	2·96
...	...	...	...	...	...	...	...	...	10,516	...	10,516	...	3·37
...	...	...	...	...	...	...	...	...	17,109	...	17,109	...	3·36
...	...	...	...	...	...	...	...	...	4,65,093	...	4,65,093	...	3·19
...	...	...	...	...	...	...	...	...	4,92,718	...	4,92,718	...	3·20
...	4,94,795	3,77,955	21,497	3,99,452	95,343	...	0·21	...	14,58,913	...	13,63,570	...	3·04
1,97,169	2,66 358	98,249	3,682	1,01,931	1,64,427	...	6·01	...	92,203	72,224	...	2·64	...
1,20,720	1,21,501	45,721	1,657	47,378	74,123	...	9·40	...	26,742	47,381	...	6·01	...
3,48,101	3,71,461	1,62,304	6,321	1,68,625	2,02,836	...	8·17	...	82,948	1,19,888	...	4·83	...
—21,780	—21,139	1,24,948	5,379	1,30,327	...	1,51,466	...	10·52	48,079	...	1,99,545	...	13·86
5,10,574	5,32,940	2,93,673	13,518	3,07,191	2,25,749	...	3·13	...	2,33,697	...	13,948	...	0·19
7,16,347	7,48,286	3,73,361	23,285	3,96,616	3,51,670	...	3·92	...	3,02,226	49,444	...	0·55	...
1,33,719	1,35,932	1,40,756	7,979	1,48,735	...	12,803	...	0·48	89,523	...	1,02,326	...	3·84
87,800	89,198	1,28,335	7,087	1,35,422	...	46,224	...	2·48	62,927	...	1,09,151	...	5·85
20,92,650	22,44,537	13,67,317	68,908	14,36,225	8,08,312	...	2·87	...	9,44,345	...	1,36,033	...	0·48
...	...	...	...	...	...	...	...	...	178	...	178	...	3·46
...	...	...	...	...	...	...	...	...	—10	...	—10	...	...
20,92,650	22,44,537	13,67,317	68,908	14,36,225	8,08,312	...	2·87	...	9,44,513	...	1,36,201	...	0·48
...	41,215	30,313	485	30,798	10,417	...	0·79	...	43,209	...	32,792	...	2·50
2,784	18,505	4,628	203	4,831	13,674	...	2·92	...	15,507	...	1,833	...	0·39
594	44,820	28,667	1,468	30,135	14,685	...	1·42	...	33,834	...	19,149	...	1·85
225	2,166	2,944	179	3,123	...	957	...	0·26	12,271	...	13,228	...	3·56
155	3,56,152	2,00,685	11,725	2,12,410	1,43,742	...	2·20	...	2,26,185	...	82,443	...	1·26
...	1,15,064	21,262	732	21,994	93,070	...	6·94	...	42,761	50,309	...	...	3·75
...	31,042	14,741	710	15,451	15,591	...	1·65	...	31,092	...	15,501	...	1·64
3,758	6,08,964	3,03,240	15,502	3,18,742	2,90,222	...	2·42	...	4,04,859	...	1,14,637	...	0·95
20,96,408	28,53,501	16,70,557	84,410	17,54,967	10,98,534	...	2·73	...	13,49,372	...	2,50,838	...	0·62
20,96,408	33,48,296	20,48,512	1,05,907	21,54,419	11,93,877	...	1·40	...	28,08,285	...	16,14,408	...	1·90

at certain percentages fixed by Government, but which are not adjusted in the Finance Accounts.

F. A. C. REBELLO,
Ag. Accountant General.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

No 1.—*General Abstract of Financial Results showing the estimated Cost of Construction of Minor Works, and Navigation, the Capital Outlay thereon, the Revenue derived therefrom, and the Working Expenses on those Works.*

Name of Project.	Estimated Cost of Construction.			Capital Outlay.						Receipts during 1918-1919.			Working Expenses.			Net Result, excluding Interest (Difference between Revenue and Working Expenses).			
				During 1918-1919.			To end of 1918-1919.											Rate per cent.	
	Direct Charges.	Indirect Charges.	Total.	Direct Charges.	Indirect Charges.	Total.	Direct Charges.	Indirect Charges.	Total.	Water-rates, &c.	Collected with Land Revenue.	Total.	Direct Charges.	Indirect Charges.	Total.	Excess Revenue (surplus).	Excess Expenditure (deficit).	Of excess Revenue.	Of excess Expenditure.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
43.—Minor Works and Navigation.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.		
Works for which Capital and Revenue Accounts are kept.																			
Sind.																			
Works in Operation.																			
Sukkur Canal	13,76,052	61,761	14,37,813	11,298	265	11,563	13,76,052	61,761	14,37,813	5,351	84,744	90,095	65,125	1,414	66,539	23,556	...	1·64	...
Chár do.	5,48,405	30,854	5,79,259	...	...	...	5,48,405	30,854	5,79,259	13,995	6,07,564	6,21,559	1,72,965	3,200	1,76,165	4,45,394	...	76·89	...
Suttah Canal	1,74,028	6,051	1,80,079	...	...	...	1,74,028	6,051	1,80,079	—29	14,681	14,652	6,506	93	6,599	8,053	...	4·47	...
Alibhar Kacheri Canal ...	23,207	710	23,917	...	...	...	23,207	710	23,917	1,268	3,776	5,044	—3,337	—62	—3,399	8,443	...	35·30	...
Márak Great Canal	3,64,706	12,302	3,77,008	87,478	2,932	90,410	3,19,428	11,962	3,31,390	5,198	1,01,517	1,06,715	27,415	860	28,275	78,440	...	23·67	...
Surfrázwáh	1,18,559	6,121	1,24,680	...	...	...	1,18,559	6,121	1,24,680	3,285	26,670	29,955	13,444	421	13,865	16,090	...	12·90	...
Fuleli Canal	19,74,646	72,881	20,47,527	18,551	622	19,173	19,74,646	72,881	20,47,527	46,770	5,84,603	6,31,373	2,61,442	8,438	2,69,880	3,61,493	...	17·66	...
Hasanali Canal	2,89,929	14,876	3,04,805	...	...	...	2,89,929	14,876	3,04,805	487	38,287	38,774	12,297	357	12,654	26,120	...	8·57	...
Total Sind ...	48,69,532	2,05,556	50,75,088	1,17,327	3,819	1,21,146	48,24,254	2,05,216	50,29,470	76,325	14,61,842	15,38,167	5,55,857	14,721	5,70,578	9,67,589	...	19·24	...
Deccan and Gujarát.																			
Works in Operation.																			
Wangroli Tank	2,40,227	50,703	2,90,930	...	...	...	2,40,227	50,703	2,90,930	675	3,125	3,800	8,861	136	8,997	...	5,197	...	1·78
Tranza Nagrama Tank ...	2,38,032	42,603	2,80,635	...	...	...	2,38,032	42,603	2,80,635	...	54	54	2,661	42	2,703	...	2,649	...	0·94
Savli Tank	2,34,179	21,031	2,55,210	...	...	...	2,34,179	21,031	2,55,210	211	...	211	3,464	55	3,519	...	3,308	...	1·29
Valmat Tank	1,58,452	25,577	1,84,029	...	...	...	1,58,452	25,577	1,84,029	175	636	811	4,779	75	4,854	...	4,043	...	2·20
Futelao Tank	1,07,356	9,105	1,16,461	...	...	...	1,07,356	9,105	1,16,461	258	...	258	3,846	61	3,907	...	3,649	...	3·13
Hartali Tank	47,948	25,434	73,382	...	...	...	47,948	25,434	73,382	1,852	...	1,852	4,103	144	4,247	...	2,395	...	3·26
Mhasva Tank	1,28,781	10,175	1 38,956	...	...	...	1,28,781	10,175	1,38,956	2,069	...	2,069	1,916	66	1,982	87	...	0·06	...
Jánda Canals	9,91,178	49,911	10 41,089	...	...	...	9,91,178	49,911	10,41,089	6,328	...	6,328	11,935	413	12,348	...	6,020	...	0·58
Parsul Tank	2,11,095	6,951	2,18,946	...	...	...	2,08,007	6,988	2,14,995	4,874	...	4,874	2,931	200	3,131	1,743	...	0·81	...

Pravara Left Bank Canal ...	3,24,317	23,233	3,47,550	...	...	...	3,24,317	23,233	3,47,550	7,375	76	7,451	15,425	841	16,266	...	8,515	...	2·54
Bhátodi Tank	3,52,685	27,022	3,79,707	...	...	...	3,52,685	27,022	3,79,707	6,533	1,411	7,944	3,728	126	3,854	4,090	...	1·08	...
Kásurdi do.	40,812	4,778	45,590	...	...	...	40,812	4,778	45,590	263	...	263	683	37	720	...	457	...	1·00
Shirsuphal do.	2,12,199	12,369	2,24,568	...	...	...	2,12,199	12,369	2,24,568	4,917	...	4,917	3,080	156	3,236	1,681	...	0·75	...
Bhádalvádi do.	2,13,115	14,307	2,27,422	...	...	...	2,13,115	14,307	2,27,422	3,907	...	3,907	2,656	135	2,791	1,116	...	0·49	...
Koregaon do.	37,923	1,266	39,189	...	...	...	37,923	1,266	39,189	3,545	...	3,545	4,919	169	5,088	...	1,543	...	3·93
Ashti do.	7,57,050	79,041	8,36,091	...	...	...	7,57,050	79,041	8,36,091	21,699	...	21,699	5,963	171	6,134	15,565	...	1·86	...
Páthri do.	6,27,825	15,021	6,42,846	...	..	...	6,27,825	15,021	6,42,846	6,871	...	6,871	1,739	50	1,789	5,082	...	0·79	...
Revári Canal	56,771	3,040	59,811	...	...	...	56,771	3,040	59,811	3,897	...	3,897	1,776	85	1,861	2,036	...	3·40	...
Upper Mán River Works ...	4,15,835	23,451	4,39,286	...	...	...	4,15,835	23,451	4,39,286	1,776	...	1,776	3,240	169	3,409	...	1,633	...	0·37
Yerla River Irrigation Works	7,27,683	44,131	7,71,814	...	...	...	7,19,542	45,328	7,64,870	10,229	...	10,229	8,909	449	9,358	871	...	0·11	...
Chikhli Canal...	53,803	3,639	57,442	...	...	...	53,803	3,639	57,442	838	...	838	750	38	788	50	...	0·09	...
Maini Tank	4,62,125	25,525	4,87,650	...	...	...	4,62,125	25,525	4,87,650	7,649	...	7,649	5,002	246	5,248	2,401	...	0·49	...
Muchkundi Tank	1,40,217	18,490	1,58,707	...	...	...	1,40,217	18,490	1,58,707	3,009	...	3,009	1,796	72	1,868	1,141	...	0·72	...
Gadikeri do.	16,363	555	16,918	...	...	...	16,363	555	16,918	...	2,061	2,061	401	12	413	1,648	...	9·74	...
Gokak Canal, First Section, and Storage Works ...	9,00,811	68,445	9,69,256	...	...	...	9,00,811	68,445	9,69,256	52,906	...	52,906	11,327	573	11,900	41,006	...	*4·23	...
Dambal Tank	60,847	3,133	63,980	...	...	...	60,847	3,133	63,980	1,623	916	2,539	2,158	115	2,273	266	...	0·41	...
Medleri do.	78,354	3,038	81,392	...	...	...	78,354	3,038	81,392	737	...	737	570	32	602	135	...	0·16	...
Madag do.	1,61,248	6,350	1,67,598	...	...	...	1,61,248	6,350	1,67,598	2,014	...	2,014	1,150	61	1,211	803	...	0·48	...
Asundi do.	60,741	14,254	74,995	...	...	...	60,741	14,254	74,995	1,706	687	2,393	585	27	612	1,781	...	2·37	...
Mávinkop do.	30,185	3,319	33,504	...	...	...	30,185	3,319	33,504	...	2,279	2,279	512	16	528	1,751	...	5·22	...
Dharma Canal	95,582	2,752	98,334	2,954	69	3,023	93,714	2,279	95,993	4,995	—4,961	34	1,854	160	2,014	...	1,980	...	2·06
Total Works in Operation ...	81,84,639	6,38,649	88,23,288	2,954	69	3,023	81,70,642	6,39,410	88,10,052	1,62,931	6,284	1,69,215	1,22,719	4,932	1,27,651	41,564	...	0·47	...
Works under Construction.																			
Victoria Tank	4,37,530	23,473	4,61,003	5,829	161	5,990	60,371	3,954	64,325	...	...	...	...	...	...	...	...	...	...
Suki River	...	...	...	...	...	...	15,139	385	15,524	...	...	...	...	...	...	...	...	...	...
Total ...	4,37,530	23,473	4,61,003	5,829	161	5,990	75,510	4,339	79,849	...	...	...	...	...	...	...	...	...	...
Works in Abeyance.																			
Gokák Canal, Second Section.	1,78,001	13,994	1,91,995	...	...	...	1,76,306	13,978	1,90,284	...	...	...	...	...	...	...	...	...	...
Total Deccan and Gujarát ...	88,00,170	6,76,116	94,76,286	8,783	230	9,013	84,22,458	6,57,727	90,80,185	1,62,931	6,284	1,69,215	1,22,719	4,932	1,27,651	41,564	...	0·46	...
Grand Total—Works for which Capital and Revenue Accounts are kept ...	1,36,69,702	8,81,672	1,45,51,374	1,26,110	4,049	1,30,159	1,32,46,712	8,62,943	1,41,09,655	2,39,256	14,68,126	17,07,382	6,78,576	19,653	6,98,229	10,09,153	...	7·15	...
Works for which only Revenue Accounts are kept.																			
Sind	...	...	...	...	...	...	...	...	...	58,616	16,95,957	17,54,573	9,06,125	...	9,06,125	8,48,448	...	...	...

NOTE.—(1) Direct Charges under Working Expenses include share of collection charges in the Civil Department calculated at certain percentages fixed by Government, but which are not adjusted in the Finance Accounts.

* The rate-per cent. on the total cost (Rs. 13,81,922) of the Project comes to 2·97.

F. A. C. REBELLO,
Acting Accountant General.

Bombay, 21st October 1919.

IRRIGATION BRANCH — BOMBAY PRESIDENCY

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

PRAVARA RIVER CANALS.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
I.—Works.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
A. Preliminary Expenses ...	1,873	...	1,873	4,618	.....
B. Land	52,619	50	52,669	1,62,403	.....
C. Works	28,97,037	4,27,759	33,24,796	52,69,349	.....
K. Buildings	40,553	924	41,477	54,388	.....
O. Miscellaneous	31,379	705	32,084	34,751	.....
P. Maintenance	37,223	4,520	41,743	50,139	.....
Total Head Works ...	30,60,684	4,33,958	34,94,642	55,75,648	.....
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses ...	10,785	699	11,484	13,155	.....
B. Land	60,435	710	61,145	77,223	.....
D. Regulators	43,841	1,202	45,043	50,172	.....
E. Falls and Weirs	15,299	350	15,649	15,654	.....
F. River and Hill torrent works ...	4,63,573	9,826	4,73,399	4,86,955	.....
G. Bridges	1,06,161	3,685	1,09,846	1,11,261	.....
H. Escapes	18,954	606	19,560	20,712	.....
K. Buildings	1,28,503	10,468	1,38,971	1,98,703	.....
L. Earth-work	15,50,635	46,516	15,97,151	15,98,685	.....
M. Plantations	50,500	13,668	64,168	62,352	.....
O. Miscellaneous	13,439	6,089	19,528	35,827	.....
P. Maintenance	26,127	3,760	29,887	43,092	.....
Total Main Canals and Branches ...	24,88,252	97,579	25,85,831	27,13,791	.....
Carried over ...	55,48,936	5,31,537	60,80,473	82,89,439	.....

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

PRAVARA RIVER CANALS.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919—continued.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1918-19.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	55,48,936	5,31,537	60,80,473	82,89,439	.....
WORKS—*continued.*					
(3)—*Distributaries.*					
A. Preliminary Expenses ...	11,262	261	11,523	16,169	.....
B. Land	42,964	3,359	46,323	83,319	.....
C. Works	94,424	21,384	1,15,808	2,33,856	.....
L. Earth-work	20,826	31,077	51,903	64,725	.....
O. Miscellaneous	1,90,101	27,372	2,17,473	4,60,720	.....
P. Maintenance	.....	225	225	.....	.....
Total, Distributaries ...	3,59,577	83,678	4,43,255	8,58,789	.....
Total, I.—Works ...	59,08,513	6,15,215	65,23,728	91,48,228	.....
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	2,25,302	1,48,878	14,17,361	18,34,495	.....
3. Executive	10,43,181				
Total, II.—Establishment ...	12,68,483	1,48,878	14,17,361	18,34,495	.....
III.—TOOLS AND PLANT	1,73,703	13,226	1,86,929	1,37,988	.....
IV.—Suspense Accounts	112	—104	8	.....	.....
Grand Total ...	73,50,811	7,77,215	81,28,026	1,11,20,711	.....
V.—*Less* Receipts on Capital Account.	6,846	1,377	8,223	.....	.....
Net Outlay ...	73,43,965	7,75,838	81,19,803	1,11,20,711	.....
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works ...	68,07,474	7,75,838	75,83,312	1,11,20,711	.....
Chargeable to 43.—Minor Works and Navigation	22,623	...	22,623		
Chargeable to 33.—Famine Relief ...	5,13,868	...	5,13,868		
Total ...	73,43,965	7,75,838	81,19,803	1,11,20,711	.....

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

PRAVARA RIVER CANALS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	91,388	14,526	1,05,914	2. Main Canals and Branches ...	1,346	735	2,081
3. Sales of water ...	84	49	133	II.—MAINTENANCE AND REPAIRS.			
5. Plantations ...	1,770	421	2,191	2. Main Canals and Branches ...	62,355	13,419	75,774
6. Other Canal Produce ...	279	...	279	3. Distributaries ...	3,627	1,145	4,772
9. Rents of Buildings.	653	132	785	Total ...	65,982	14,564	80,546
10. Fines	159	30	189	IV.—ESTABLISHMENT.			
11. Miscellaneous Receipts	1,957	85	2,042	1 & 2. Direction and Accounts ...	2,954	12,727	44,389
				3. Executive	28,708		
Total ...	96,290	15,243	1,11,533	Total ...	31,662	12,727	44,389
				V.—TOOLS AND PLANT ...	965	329	1,294
II.—INDIRECT RECEIPTS.				VI.—REFUNDS OF REVENUE ...	462	...	462
				Total ...	1,00,417	28,355	1,28,772
Irrigation share of Land Revenue collected in the Civil Department	...	...	...	Share of Collection Charges in the Civil Department	4,574	728	5,302
Total, Receipts ...	96,290	15,243	1,11,533	Indirect Charges debitable to Revenue Account as per Account No. 5	4,433	1,782	6,215
				Total, Charges ...	1,09,424	30,865	1,40,289
				Balance Net Revenue ...	—13,134	—15,622	—28,756
Grand Total ...	96,290	15,243	1,11,533	Grand Total ...	96,290	15,243	1,11,533

Note.—Loss of Revenue due to concessions granted for wheat cultivation during the Rabi Season 1916-17, *vide* Government Resolution No. A.I.-12327, dated 18th December 1917, Rs. 732.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

PRAVARA RIVER CANALS.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1917-1918 ...	10,51,306	Net Revenue realized to end of 1917-1918 ...	—13,134
		Do. during 1918-1919 ...	—15,622
Interest charges for the year 1918-1919 ...	2,69,209		—28,756
		Balance net interest charges	13,49,271
Total ...	13,20,515	Total ...	13,20,515

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	59,697	1,200	60,897
2. Leave and Pension Allowances	1,77,587	20,843	1,98,430
Total ...	2,37,284	22,043	2,59,327
REVENUE—			
2. Leave and Pension Allowances	4,433	1,782	6,215

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

PRAVARA RIVER CANALS.

CANAL PROJECT.

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	...	...	...	65,23,728	91,48,228	26,24,500	65,23,728	Revised estimate for the Pravara River Canal Project sanctioned by the Secretary of State's Despatch No. 37-P.W. of 31st August 1917, *vide* Government of India's No. 613-I. of 16th November 1917, communicated in Government Resolution No. W.I.-3848 dated 4th April 1918, Rs. 1,27,04,607
Establishment ...	...	...	...	14,17,361	18,34,495	4,17,134	14,17,361	
Tools and Plant ...	...	...	...	1,86,929	1,37,988	−48,941	1,86,929	
Suspense Accounts.	...	...	...	8	...	—8	8	
Total ...	...	...	...	81,28,026	1,11,20,711	29,92,685	81,28,026	
Less—Receipts on Capital Account.	...	...	...	8,223	...	−8,223	8,223	
Net Total ...	...	...	...	81,19,803	1,11,20,711	30,00,908	81,19,803	*Deduct.*—Estimate of the undermentioned works, as their separate accounts have been prepared as one account for the whole project has been kept in abeyance pending the new project is completed sufficiently to give water to the other canals, *vide* Government of India's No. 1951-I. of 18th September 1908, communicated in Government Resolution No. 2721 of 20th October 1908:— Máládevi Tank ... Rs. 3,14,574 Pravara Left Bank Canal ... 3,47,550 Lákh Canal ... 3,71,891 Rs. 10,34,015 Net amount shown in this account... 1,16,70,592
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue	...	...	...	60,897	2,93,051	2,32,154	60,897	
Leave and Pension Allowances ...	...	...	...	1,98,430	2,56,830	58,400	1,98,430	
Total ...	...	...	...	2,59,327	5,49,881	2,90,554	2,59,327	
Grand Total ...	...	...	...	83,79,130	1,16,70,592	32,91,462	83,79,130	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

CHANKÁPUR TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1910.)	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
A. Preliminary Expenses ...	7,678	...	7,678	7,678	7,678
B. Land	19,056	...	19,056	19,056	19,056
C. Masonry Works	8,82,680	...	8,82,680	8,82,680	8,82,680
K. Buildings	11,459	...	11,459	11,459	11,459
L. Earth-work	1,16,773	...	1,16,773	1,16,773	1,16,773
P. Maintenaoce	5,610	...	5,610	5,610	5,610
Total, Head Works ...	10,43,256	...	10,43,256	10,43,256	10,43,256
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses ...	628	...	628	1,349	349
B. Land	3,959	962	4,921	10,417	2,102
C. Masonry Works	1,37,271	9,546	1,46,817	1,84,714	1,25,966
C (*b*). Falls and Weirs	392	...	392	392	392
C (*c*). River and Hill Torrent Works .	71,143	...	71,143	.....	.....
C (*e*). Bridges	718	...	718	.....	.....
K. Buildings	11,990	...	11,990	6,148	6,148
L. Earth-work	1,66,133	5,162	1,71,295	2,02,979	92,086
M. Plantations	5,183	...	5,183	5,183	5,183
O. Miscellaneous	4,877	—928	3,949	320	.....
P. Maintenance	.....	...	.....	250	.....
Total, Main Canals and Branches ...	4,02,294	14,742	4,17,036	4,11,752	2,32,226
(3)—*Distributaries.*					
A. Preliminary Expenses ...	7,662	771	8,433	6,717	6,717
B. Land	3,221	...	3,221	3,221	3,221
C. Masonry Works	5,373	...	5,373	5,373	5,373
L. Earth-work	7,794	...	7,794	7,794	7,794
O. Miscellaneous	18,800	...	18,800	37,659	18,259
Total, Distributaries ...	42,850	771	43,621	60,764	41,364
Total, I.—Works ...	14,88,400	15,513	15,03,913	15,15,772	13,16,846
Carried over ...	14,88,400	15,513	15,03,913	15,15,772	13,16,846

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

CHANKÁPUR TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.—continued.

Heads of Account.	Direct Charges.			Cost of construction as now estimated (Construction estimate closed on 31st March 1910.)	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	14,88,400	15,513	15,03,913	15,15,772	13,16,846
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	63,934	3,754	3,14,747	3,16,581	57,852
3. Executive	2,44,249				2,15,153
4. Medical	2,810				2,810
Total, II.—Establishment ...	3,10,993	3,754	3,14,747	3,16,581	2,75,815
III.—TOOLS AND PLANT ...	58,343	333	58,676	58,619	55,775
Grand Total ...	18,57,736	19,600	18,77,336	18,90,972	16,48,436
V.—*Less* Receipts on Capital Account .	2,132	...	2,132	2,132	2,132
Net Outlay ...	18,55,604	19,600	18,75,204	18,88,840	16,46,304
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works .	18,21,288	19,600	18,40,888	18,88,840	16,11,988
Do. 43.—Minor Works and Navigation ...	34,316	...	34,316		34,316
Total ...	18,55,604	19,600	18,75,204	18,88,840	16,46,304

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

CHANKA'PUR TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	83,588	20,296	1,03,884	1. Head Works	3,203	3,324	6,527
3. Sales of water ...	14	...	14	2. Main Canals and Branches	4,762	1,148	5,910
6. Other Canal Produce.	259	5	264	Total ...	7,965	4,472	12,437
9. Rents of Buildings.	285	1	286	II.—MAINTENANCE AND REPAIRS.			
10. Fines	61	...	61	1. Head Works	27,528	5,189	32,717
11. Miscellaneous Receipts	1,896	124	2,020	2. Main Canals and Branches	27,376	2,631	30,007
				3. Distributaries ...	3,160	451	3,611
Total ...	86,103	20,426	1,06,529	Total ...	58,064	8,271	66,335
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	2,964	8,460	51,357
				3. Executive	39,933		
II.—INDIRECT RECEIPTS.				Total ...	42,897	8,460	51,357
Irrigation share of Land Revenue collected in the Civil Department	...	...	...	V.—TOOLS AND PLANT ...	2,806	274	3,080
				VI.—REFUNDS OF REVENUE	36	4	40
				Total ...	1,11,768	21,481	1,33,249
				Share of Collection Charges in the Civil Department	4,184	1,015	5,199
Total, Receipts ...	86,103	20,426	1,06,529	Indirect Charges debitable to Revenue Account as per Account No. 5	6,005	1,184	7,189
				Total, Charges ...	1,21,957	23,680	1,45,637
				Balance Net Revenue ...	—35,854	—3,254	—39,108
Grand Total ...	86,103	20,426	1,06,529	Grand Total ...	88,103	20,426	1,06,529

N. B.—Construction Estimate closed on 31st March 1910—*vide* G. R. No. 872, dated 1st April 1910.
Completion Report approved in G. R. No. 443, dated 3rd March 1911.

Note.—Loss of Revenue due to concessions granted for wheat cultivation during the Rabi Season 1916-17, *vide* Government Resolution No. A.I-12327 dated 18th December 1917, Rs. 4,385

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

CHANKA'PUR TANK.

TANK PROJECT.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1917-1918 .	7,19,409	Net revenue realized to end of 1917-1918 .	—35,854
		Do. during 1918-1919...	— 3,254
Interest charges for the year 1918-1919 ...	64,950		—39,108
		Balance net interest charges ...	8,23,467
Total ...	7,84,359	Total ...	7,84,359

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	17,297	.....	17,297
2. Leave and Pension Allowances	44,178	526	44,704
Total ...	61,475	526	62,001
REVENUE—			
2. Leave and Pension Allowances	6,005	1,184	7,189

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	12,04,069	1,12,777	13,16,846	1,87,067	1,98,926	11,859	15,03,913	Government Resolution (Public Works Department) No. W.I.-3923, dated 11th April 1917.
Establishment ...	2,51,351	24,464	2,75,815	38,932	40,766	1,834	3,14,747	
Tools and Plant ...	62,947	—7,172	55,775	2,901	2,844	—57	58,676	
Total ...	15,18,367	1,30,069	16,48,436	2,28,900	2,42,536	13,636	18,77,336	
Less—Receipts on Capital Account.	2,132	...	2,132	...	...	...	2,132	
Net Total ...	15,16,235	1,30,069	16,46,304	2,28,900	2,42,536	13,636	18,75,204	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	16,235	1,037	17,272	25	2,000	1,975	17,297	
Leave and Pension Allowances ...	35,829	3,424	39,253	5,451	5,707	256	44,704	
Total ...	52,064	4,461	56,525	5,476	7,707	2,231	62,001	
Grand Total ...	15,68,299	1,34,530	17,02,829	2,34,376	2,50,243	15,867	19,37,205	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

GODA'VARI CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	Direct Charges.			Cost of construction as now estimated (Construction estimates closed on 31st March 1916).	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
I.—Works.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
A. Preliminary Expenses	5,480	...	5,480	5,480	5,480
B. Land	9,16,689	25,747	9,42,436	9,17,341	9,15,341
C. Works	31,57,159	7,483	31,64,633	32,45,154	31,41,569
K. Buildings	42,777	...	42,777	42,777	42,777
O. Miscellaneous	152	...	152	152	152
P. Maintenance	18,007	...	18,007	18,007	18,007
Total, Head Works ...	41,40,255	33,230	41,73,485	42,28,911	41,23,326
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	29,652	...	29,652	29,652	29,652
B. Land	1,07,476	312	1,07,788	1,06,806	1,06,542
D. Regulators	29,752	...	29,752	30,011	28,177
F. River and Hill Torrent Works ...	11,01,009	...	11,01,009	11,04,340	10,86,087
G. Bridges	1,03,799	...	1,03,799	1,07,987	92,651
H. Escapes	20,437	...	20,437	20,431	18,989
K. Buildings	1,91,032	...	1,91,032	1,90,770	1,88,165
L. Earth-work	17,50,156	...	17,50,156	17,45,325	17,18,741
M. Plantations	8,907	...	8,907	8,907	8,907
O. Miscellaneous	15,350	...	15,350	12,680	12,680
P. Maintenance	16,033	...	16,033	16,318	15,318
Total, Main Canals and Branches ...	33,73,603	312	33,73,915	33,73,227	33,05,909
(3)—*Distributaries.*					
A. Preliminary Expenses	8,762	75	8,837	13,483	8,762
B. Land	28,063	...	28,063	30,081	26,513
C. Works	1,11,137	...	1,11,137	1,10,729	1,00,642
L. Earth-work	1,74,380	...	1,74,380	1,73,917	1,73,319
O. Miscellaneous	2,09,157	...	2,09,157	2,04,266	1,65,968
Total, Distributaries ...	5,31,499	75	5,31,574	5,32,476	4,75,204
Liabilities on completed works ...	...	...	...	3,967	...
Total, I.—Works ...	80,45,357	33,617	80,78,974	81,38,581	79,04,439
II.—Establishment.					
1 & 2. Direction and Accounts	3,42,128	8,135	13,02,326	12,89,725	12,42,980
3. Executive	9,52,063				
Total, Establishment ...	12,94,191	8,135	13,02,326	12,89,725	12,42,980
III.—Tools and Plant	2,23,062	723	2,23,785	2,25,399	2,22,180
IV.—Suspense Accounts	...	...	...	2,245	2,245
Grand Total ...	95,62,610	42,475	96,05,085	96,55,950	93,71,844
V.—*Less*—Receipts on Capital Account ...	2,026	...	2,026	2,026	2,026
Net Outlay ...	95,60,584	42,475	96,03,059	96,53,924	93,69,818
Apportionment.					
Chargeable to 35.—Construction of Protective Irrigation Works	95,60,584	42,475	96,03,059	96,53,924	93,69,818

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

GODA'VARI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				1. Head Works ...	6,284	1,736	8,020
				2. Main Canals and Branches	9,570	8,759	18,329
				3. Distributaries ...	386	...	386
1. Water-rates from Irrigation ...	10,84,876	2,02,022	12,86,898	Total ...	16,240	10,495	26,735
3. Sales of water ...	2,838	1,096	3,934	II.—MAINTENANCE AND REPAIRS.			
5. Plantations ...	1,289	667	1,956	1. Head Works ...	53,550	12,978	66,528
6. Other Canal Produce	2,148	290	2,438	2. Main Canals and Branches ...	3,30,625	64,498	3,95,123
				3. Distributaries ..	33,888	8,661	42,549
8. Navigation ...	2	...	2	Total ...	4,18,063	86,137	5,04,200
9. Rents of Buildings .	3,173	747	3,920	IV.—ESTABLISHMENT.			
10. Fines	2,722	242	2,964	1 & 2. Direction and Accounts ...	17,765	78,781	2,82,418
11. Miscellaneous receipts	33,088	7,106	40,194	3. Executive	1,85,872		
				Total ...	2,03,637	78,781	2,82,418
Total ...	11,30,136	2,12,170	13,42,306	V.—TOOLS AND PLANT ...	5,693	2,077	7,770
				VI.—REFUNDS OF REVENUE	28,291	149	28,440
				Total ...	6,71,924	1,77,639	8,49,563
II.—INDIRECT RECEIPTS.				Share of Collection Charges in the Civil Department	55,388	10,460	65,848
Irrigation share of Land Revenue collected in the Civil Department	...	...	...	Indirect Charges debitable to Revenue Account as per Account No. 5	28,507	11,029	39,536
Total, Receipts ...	11,30,136	2,12,170	13,42,306	Total, Charges ...	7,55,819	1,99,128	9,54,947
				Balance Net Revenue ...	3,74,317	13,042	3,87,359
Grand Total ...	11,30,136	2,12,170	13,42,306	Grand Total ...	11,30,136	2,12,170	13,42,306

N. B.—Construction Estimate closed on 31st March 1916, *vide* Government Order No. A.-I.—3470, dated 28th March 1916.

Note.—Loss of revenue due to concessions granted for wheat cultivation during the Rabi season 1916-17, *vide* Government Resolution No. A. 1.—12327, dated 18th December 1917, Rs. 31,760.

IRRIGATION BRANCH. BOMBAY PRESIDENCY

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

GODA'VARI CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1917-1918	23,81,868	Net revenue realized to end of 1917-1918	3,74,317
		Net revenue realized during 1918-1919.	13,042
Interest charges for the year 1918-1919.	3,33,620		3,87,359
		Balance net Interest charges ...	23,28,129
Total ...	27,15,488	Total ...	27,15,488

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	3,09,134	259	3,09,393
2. Leave and Pension Allowances	1,81,184	1,139	1,82,323
Total ...	4,90,318	1,398	4,91,716
REVENUE—			
2. Leave and Pension Allowances	28,507	11,029	39,536

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	78,92,733	11,706	79,04,439	1,74,535	2,84,142	59,607	80,78,974	
Establishment ...	12,40,613	2,367	12,42,980	59,346	46,745	—12,601	13,02,326	
Tools and Plant ...	2,21,997	183	2,22,180	1,605	3,219	1,614	2,23,785	
Suspense Accounts.	2,245	...	2,245	—2,245	...	2,245	...	
Total ...	93,57,588	14,256	93,71,844	2,33,241	2,84,106	50,865	96,05,085	
Less—Receipts on Capital Account...	2,026	...	2,026	...	...	...	2,026	
Net Total ...	93,55,562	14,256	93,69,818	2,33,241	2,84,106	50,865	96,03,059	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	3,07,005	...	3,07,005	2,388	5,832	3,444	3,09,393	
Leave and Pension Allowances ...	1,73,684	331	1,74,015	8,308	6,545	—1,763	1,82,323	
Total ...	4,80,689	331	4,81,020	10,696	12,377	1,681	4,91,716	
Grand Total ...	98,36,251	14,587	98,50,838	2,43,937	2,96,483	52,546	1,00,94,775	

Rs.

Extract paragraph 1 of Government of India (Public Works Department) letter No. 594-I., dated 31st October 1917, communicated under Government memorandum (Public Works Department) No. I.-109, dated 5th January 1918 2,00,549

Government Resolution (Public Works Department) No. W.I.-11235, dated 21st November 1917 14,747

Government Resolution (Public Works Department) No. W.I.-5085, dated 13th May 1918 4,641

Government Resolution (Public Works Department) No. W.I.-10321, dated 24th August 1918 1,362

Government Resolution (Public Works Department) No. W.I.-3327, dated 18th March 1919 75,184

Total ... 2,96,483

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.—

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA CANAL INCLUDING SHETPHAL TANK.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1906.	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(1)—*Head Works.*					
A. Preliminary Expenses	12,512	...	12,512	12,512	12,512
B. Land	2,23,024	...	2,23,024	2,23,024	2,23,024
C. Works	18,63,213	...	18,63,213	18,63,213	18,63,213
K. Buildings	13,283	...	13,283	13,283	13,283
M. Plantations	7,053	...	7,053	7,053	7,053
O. Miscellaneous	1,547	...	1,547	1,547	1,547
P. Maintenance	3,571	...	3,571	3,571	3,571
Total, Head Works ...	21,24,203	...	21,24,203	21,24,203	21,24,203
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	43,346	7,817	51,163	79,035	22,107
B. Land	34,145	...	34,145	34,145	34,145
D. Regulators	20,697	...	20,697	20,697	20,697
F. River and Hill Torrent Works... ...	5,14,067	...	5,14,067	5,14,067	5,14,067
G. Bridges	53,443	...	53,443	53,443	53,443
K. Buildings	51,188	...	51,188	51,188	51,188
L. Earth-work	12,10,554	...	12,10,554	12,10,554	12,10,554
M. Plantations	6,928	...	6,928	6,928	6,928
N. Tanks and Reservoirs	5,58,005	...	5,58,005	5,58,005	5,58,005
O. Miscellaneous	4,027	...	4,027	4,027	4,027
P. Maintenance	11,167	...	11,167	11,167	11,167
Total, Main Canals and Branches ...	25,07,567	7,817	25,15,384	25,43,256	24,86,328
Carried over ...	46,31,770	7,817	46,39,587	46,67,459	46,10,531

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA CANAL, INCLUDING SHETPHAL TANK.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919—continued.

Heads of Account.	Direct Charges.			Cost of construction as now estimated (Construction estimates closed on 31st March 1906).	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	46,31,770	7,817	46,39,587	46,67,459	46,10,531
I.—WORKS—*continued.*					
(3)—*Distributaries.*					
A. Preliminary Expenses	3,493	...	3,493	3,493	3,493
B. Land	12,192	...	12,192	12,192	12,192
C. Works	98,599	...	98,599	98,599	98,599
L. Earth-work	93,077	...	93,077	93,077	93,077
M. Plantations	8,715	...	8,715	8,715	8,715
Total Distributaries ...	2,16,076	...	2,16,076	2,16,076	2,16,076
Total, I.—Works ...	48,47,846	7,817	48,55,663	48,83,535	48,26,607
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	3,02,184	1,891	11,00,849	11,74,461	11,58,609
3. Executive	7,96,774				
4. Medical	11,004	...	11,004		
5. Special Survey...	77,065	...	77,065		
Total, Establishment ...	11,87,027	1,891	11,88,918	11,74,461	11,58,609
III.—Tools and Plant ...	1,32,767	168	1,32,935	1,24,071	1,23,013
IV.—Suspense Accounts	...	103	103	...	...
Grand Total ...	61,67,640	9,979	61,77,619	61,82,067	61,08,229
V.—*Less* Receipts on Capital Account ...	8,382	...	8,382	8,382	8,382
Net Outlay ...	61,59,258	9,979	61,69,237	61,73,685	60,99,847
Apportionment.					
Chargeable to 35.—Construction of Protective Irrigation Works ...	53,37,605	9,979	53,47,584	53,52,032	52,78,194
Do. 43.—Minor Works and Navigation	8,21,653	...	8,21,653	8,21,653	8,21,653
Total ...	61,59,258	9,979	61,69,237	61,73,685	60,99,847

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA CANAL, INCLUDING SHETPHAL TANK.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	72,44,027	2,09,046	74,53,073	1. Head Works	19,574	2,387	21,961
3. Sales of water ...	2,590	59	2,649	2. Main Canals and Branches	62,672	6,131	68,803
4. Water-supply of towns	1	6	7	3. Distributaries ...	23,602	1,187	24,789
5. Plantations ...	65,261	837	66,098	4. Drainage and Protective Works	4,737	...	4,737
6. Other canal produce	11,714	3,302	15,016	Total ...	1,10,585	9,705	1,20,290
8. Navigation ...	30	...	30				
9. Rents of buildings	8,485	395	8,880				
10. Fines	7,492	204	7,696	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous receipts	49,416	2,356	51,772	1. Head Works	1,50,072	12,070	1,62,142
				2. Main Canals and Branches	5,90,131	33,995	6,24,126
Total ...	73,89,016	2,16,205	76,05,221	3. Distributaries	1,73,274	5,819	1,79,093
II.—INDIRECT RECEIPTS.				4. Drainage and Protective Works	983	...	983
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	Total ...	9,14,460	51,884	9,66,344
Total, Receipts ...	73,89,016	2,16,205	76,05,221	III.—COMPENSATION ...	5	...	5
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	75,696		
				3. Executive	8,35,960	44,739	9,60,119
				4. Medical	3,724		
				Total ...	9,15,380	44,739	9,60,119
				V.—TOOLS AND PLANT ...	40,609	1,324	41,933
Carried over ...	73,89,016	2,16,205	76,05,221	Carried over ...	19,81,039	1,07,652	20,88,691

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA CANAL, INCLUDING SHETPHAL TANK.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought over ...	73,89,016	2,16,205	76,05,221	Brought over ...	19,81,039	1,07,652	20,88,691
				VI.—REFUNDS OF REVENUE	13,737	17	13,754
				Total ...	19,94,776	1,07,669	21,02,445
				Share of Collection Charges in the Civil Department	3,62,554	10,463	3,73,017
				Indirect Charges debitable to Revenue Account as per Account No. 5	1,28,153	6,263	1,34,416
				Total Charges ...	24,85,483	1,24,395	26,09,878
				Balance Net Revenue ...	49,03,533	91,810	49,95,343
Grand Total ...	73,89,016	2,16,205	76,05,221	Grand Total ..	73,89,016	2,16,205	76,05,221

N.B.—Construction Estimate of the Nira Canal closed on 31st March 1899—*vide* Government Resolution No. 1847, dated 2nd April 1900.
Construction Estimate of the Shetphal Tank closed on 31st March 1906—*vide* Government Resolution No. 2434, dated 2nd October 1905.
Completion Report approved in Government Resolution No. 2367, dated 3rd December 1907.
Note.—Loss of revenue due to concessions granted for wheat cultivation during the Rabi Season 1916-17—*vide* Government Resolution No. A. I.—12327, dated 18th December 1917—Rs. 7,305.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1917-18.	71,51,361	Net revenue realized to end of 1917-18.	49,03,533
		Do. during 1918-19.	91,810
Interest charges for the year 1918-19...	2,14,627		49,95,343
		Balance net Interest charges	23,70,645
Total ...	73,65,988	Total ...	73,65,988

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	1,84,874	.....	1,84,874
2. Leave and Pension Allowances	1,83,457	265	1,83,722
Total ...	3,68,331	265	3,68,596
REVENUE—			
2. Leave and Pension Allowances	1,28,153	6,263	1,34,416

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA CANAL INCLUDING SHETPHAL TANK.

CANAL PROJECT.

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed sanctions.			Current Sanctions.			Total charges to date against old and current sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
DIRECT CHARGES.								
Works ...	47,68,387	58,220	48,26,607	29,056	56,928	27,872	48,55,663	
Establishment ...	11,46,855	11,754	11,58,609	30,309	15,852	—14,457	11,88,918	
Tools and Plant ...	1,26,141	—3,128	1,23,013	9,922	1,058	—8,864	1,32,935	
Suspense Accounts ...	...	...	...	103	...	—103	103	
Total ...	60,41,383	66,846	61,08,229	69,390	73,838	4,448	61,77,619	
Less—Receipts on Capital Account ...	8,382	...	8,382	...	...	...	8,382	
Net Total ...	60,33,001	66,846	60,99,847	69,390	73,838	4,448	61,69,237	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	1,83,159	1,715	1,84,874	...	1,350	1,350	1,84,874	
Leave and Pension Allowances ...	1,77,833	1,646	1,79,479	4,243	2,219	—2,024	1,83,722	
Total ...	3,60,992	3,361	3,64,353	4,243	3,569	—674	3,68,596	
Grand Total ...	63,93,993	70,207	64,64,200	73,633	77,407	3,774	65,37,833	

	Rs.
Government Order (Public Works Department), No. 6828, dated 9th July 1917	5,891
Government Order (Public Works Department), No. 5370, dated 21st May 1918	25,883
Government Order (Public Works Department), No. 4915, dated 8th May 1918	5,758
Government Order (Public Works Department), No. 5142, dated 14th May 1918	2,563
Government Order (Public Works Department), No. 8993, dated 13th September 1918	509
Government Order (Public Works Department), No. 1802, dated 14th February 1919	17,273
Government Order (Public Works Department), No. 3659, dated 25th March 1919	14,178
Government Order (Public Works Department), No. 4449, dated 14th April 1919	5,352
Total ...	77,407

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

MHASWAD TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	7,54,971	*23,910 (a) 164	7,79,045	1. Head Works ...	18,401	1,756	20,157
3. Sales of water ...	616	34	650	2. Main Canals and Branches ...	2,048	630	2,678
4. Water-supply of towns.	29,816	...	29,846	3. Distributaries ...	2,360	...	2,360
5. Plantations ...	26,696	1,269	29,200	Total ...	22,809	2,386	25,195
6. Other canal produce		1,235		II.—MAINTENANCE AND REPAIRS.			
9. Rents of buildings.	1,279	30	1,309	1. Head Works ...	54,888	649	55,537
10. Fines	185	...	185	2. Main Canals and Branches ...	1,11,118	3,656	1,14,774
11. Miscellaneous receipts	35,676	4,109	39,785	3. Distributaries ...	67,900	3,078	70,978
Total ...	8,49,269	30,751	8,80,020	Total ...	2,33,906	7,383	2,41,289
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	III.—COMPENSATION ...	75	...	75
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	23,619	8,848	2,02,561
				3. Executive	1,70,028		
				4. Medical	66		
				Total ...	1,93,713	8,848	2,02,561
Total Receipts ...	8,49,269	30,751	8,80,020				
				V.—TOOLS AND PLANT ...	5,687	210	5,897
Carried over ...	8,49,269	30,751	8,80,020	Carried over ...	4,56,190	18,827	4,75,017

*Includes Rs.—15 adjusted by Journal entry, second batch.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

MHASWAD TANK.

TANK PROJECT.

No. 3.—*Revenue Account for, and to end of,* 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	8,49,269	30,751	8,80,020	Brought forward ...	4,56,190	18,827	4,75,017
				VI.—REFUNDS OF REVENUE	348	...	348
				Total ...	4,56,538	18,827	4,75,365
				Share of Collection Charges in the Civil Department	39,195	1,154 (a) 164	40,513
				Indirect Charges debitable to Revenue Account as per Account No. 5	27,177	1,239	28,416
				Total Charges ...	5,22,910	21,384	5,44,294
				Balance Net Revenue ...	3,26,359	9,367	3,35,726
Grand Total ...	8,49,269	30,751	8,80,020	Grand Total ...	8,49,269	30,751	8,80,020

N.B.—Last Capital Account detailed in the Administrative Accounts for 1906-1907.
Construction Estimate closed on 31st March 1901, *vide* Government Resolution No. 1197, dated 10th June 1901.
Completion Report approved in Government Resolution No. 1106, dated 22nd April 1903.
(*a*) Amount adjusted by credit to Water rates and debit *per contra* on account of collection charges for the revenue realized by the Aundh State.

Note.—Loss of revenue due to concessions granted for wheat cultivation during the Rabi season 1916-17, *vide* Government Resolution No. A. I. 12327, dated 18th December 1917—Rs. 2494.

No. 4.—*Interest Account for, and to end of,* 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
		Net revenue realized to end of 1917-1918.	3,26,359
		Do. during 1918-1919.	9,367
Total Interest charges to end of 1917-1918	26,67,197		3,35,726
Interest charges for the year 1918-1919 .	69,829	Balance net interest charges	24,01,300
Total ...	27,37,026	Total ...	27,37,026

No. 5.—*Account of Indirect Charges for, and to end of,* 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	58	.....	58
2. Leave and Pension Allowances	27,119	1,239	28,358
Total ...	27,177	1,239	28,416

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

MA'LA'DEVI TANK.

TANK PROJECT.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1917-1918...	2,11,339	Net Revenue realized to end of 1917-1918...	.....
		Do. during 1918-1919 ...	.....
			.....
Interest charges for the year 1918-1919 ...	10,516	Balance net interest charges	2,21,855
Total ...	2,21,855	Total ...	2,21,855

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	875	.....	875
2. Leave and Pension Allowances	9,013	.....	9,013
Total ...	9,888	.....	9,888

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	...	...	...	2,42,869	2,43,319	450	2,42,869	This work is a part of the Pravara River Irrigation Project, but separate account has been maintained until the new project is completed sufficiently to give an increased supply of water to the other canals—*vide* Government of India's No. 1951-1, dated 18th September 1908, communicated in Government Resolution No. 2721 of 20th October 1908. Estimate amounting to Rs. 3,14,574 for direct and indirect charges included in the above project sanctioned in the Secretary of State's Despatch No. 37-P. W., dated 31st August 1917, communicated in Government of India's No. 613-I. of 16th November 1917—*vide* Government Resolution No. 3848 of 4th April 1918—has been shown here.
Establishment ...	...	...	...	60,546	60,653	107	60,546	
Tools and Plant...	...	...	...	1,473	1,473	...	1,473	
Suspense Accounts	...	...	...	...	...	...	...	
Total ...	...	...	...	3,04,888	3,05,445	557	3,04,888	
Less—Receipts on Capital Account.	...	...	...	2,848	774	—2,074	2,848	
Net Total ...	...	...	...	3,02,040	3,04,671	2,631	3,02,040	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue.	...	...	...	875	875	...	875	
Leave and Pension Allowances ...	...	...	...	9,013	9,028	15	9,013	
Total ...	...	...	...	9,888	9,903	15	9,888	
Grand Total ...	...	...	...	3,11,928	3,14,574	2,646	3,11,928	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

BUDHIHAL TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS,					
(1)—Head Works.					
A. Preliminary Expenses	836	...	836	1,600	...
B. Land	8,174	...	8,174	30,204	...
C. Masonry Works	45,988	...	45,988	1,50,393	...
K. Buildings	5,696	...	5,696	5,696	...
L. Earth-work	3,28,697	...	3,28,697	7,62,720	...
O. Miscellaneous	5,043	...	5,043	7,707	...
P. Maintenance	3,988	335	4,323	4,651	...
Total, Head Works ...	3,98,422	335	3,98,757	9,62,971	...
(2)—Main Canals and Branches.					
Total, Main Canals and Branches ...	...	...	...	*1,66,500	...
Total, I.—Works ...	3,98,422	335	3,98,757	11,29,471	...
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	19,476	39	89,656	54,973	...
3. Executive	70,141			1,97,617	...
Total, II.—Establishment ...	89,617	39	89,656	2,52,590	...
III.—TOOLS AND PLANT ...	5,031	10	5,041	16,468	...
Grand Total ...	4,93,070	384	4,93,454	13,98,529	...
V.—*Less*—Receipts on Capital Account ...	1,780	211	1,991	...	...
Net Outlay ...	4,91,290	173	4,91,463	13,98,529	...
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works ...	36,419	173	36,592	13,98,529	...
Do. 43.—Minor Works and Navigation	29,588	...	29,588		
Do. 33.—Famine Relief ...	4,25,283	...	4,25,283		
Total ...	4,91,290	173	4,91,463	13,98,529	...

*Lump sum provision in the Estimate.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

BUDHIHAL TANK.

TANK PROJECT.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1917-1918 ...	2,17,554	Net Revenue realized to end of 1917-1918...	.....
		Do. during 1918-1919...	.....
			.....
Interest charges for the year 1918-1919 ...	17,109	Balance net interest charges ...	2,34,663
Total ...	2,34,663	Total ...	2,34,663

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	5,741	.....	5,741
2. Leave and Pension Allowances	12,547	5	12,552
Total ...	18,288	5	18,293

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against Open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	...	...	...	3,98,757	11,29,471	7,30,714	3,98,757	Estimate sanctioned in the Secretary of State's Despatch No. 21 of 14th April 1905, as per Government of India's No. 793—I of 17th June 1905, communicated in Government Resolution No. 2002 of 1st August 1905.
Establishment	...	...	...	89,656	2,52,590	1,62,934	89,656	
Tools and Plant	...	...	...	5,041	16,468	11,427	5,041	
Total	...	...	...	4,93,454	13,98,529	9,05,075	4,93,454	
Less—Receipts on Capital Account.	...	...	...	1,991	...	—1,991	1,991	
Net Total	...	...	...	4,91,463	13,98,529	9,07,066	4,91,463	
INDIRECT CHARGES								
Capitalized abatement of Land Revenue	...	...	...	5,741	20,720	14,979	5,741	
Leave and Pension Allowances	...	...	...	12,552	35,362	22,810	12,552	
Total	...	...	...	18,293	56,082	37,789	18,293	
Grand Total	...	...	...	5,09,756	14,54,611	9,44,855	5,09,756	

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA RIGHT BANK CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against close estimates.
	Previous.	1918-1919.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
A. Preliminary Expenses ...	39,876	...	39,876	20,000	.....
B. Land	32,364	—843	31,521	3,59,630	.....
C. Works	32,80,189	7,22,797	40,02,986	68,58,647	.....
K. Buildings	90,876	280	91,156	95,391	.....
O. Miscellaneous	55,974	3,496	59,470	79,231	.....
P. Maintenance	49,980	10,284	60,264	60,552	.....
Total, Head Works ...	35,49,259	7,36,014	42,85,273	74,73,451	.....
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses ...	2,23,635	6,630	2,30,265	1,84,517	
B. Land	1,66,587	2,854	1,69,441	2,03,625	
D. Regulators	.....	62	62	1,68,981	.....
F. River and Hill Torrent Works ...	5,84,001 —13,382*	2,97,409	8,68,028	23,86,367	....
G. Bridges	88,969	27,941	1,16,910	1,98,572	.....
H. Escapes	1,243	...	1,243	1,050	.....
K. Buildings	1,88,159	15,738	2,03,897	2,55,500	.....
L. Earth-work	52,71,386 —91,454*	2,61,355	54,41,287	63,43,621	....
M. Plantations	26,323	8,677	35,000	35,000	.....
O. Miscellaneous	15,687	268	15,955	4,169	.....
P. Maintenance	31,480	10,623	42,103	90,000	.....
Total, Main Canals and Branches ...	64,92,634	6,31,557	71,24,191	98,71,402	.....
(3)—*Distributaries.*					
A. Preliminary Expenses ..	45,557	16,377	61,934	5,910	.....
B. Land	.....	...	.....	1,47,480	.....
C. Works	4,651	...	4,651	27,94,027	.....
Total, Distributaries ...	50,208	16,377	66,585	29,47,417	.....
(5)—*Special Tools and Plant.*	1,04,836*	12,862	1,17,698	.....	.....
Total, I.—Works ...	1,01,96,937	13,96,810	1,15,93,747	2,02,92,270	.....
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	3,26,296	3,38,017†	18,87,583	43,54,327	.....
3. Executive	12,23,270				
Total, II.—Establishment ...	15,49,566	3,38,017	18,87,583	43,54,327	.....
III.—TOOLS AND PLANT	5,91,803	30,027	6,21,830	3,25,271	.....
IV.—Suspense Accounts	1,28,510	39,124	1,67,634	.....	.....
Grand Total ...	1,24,66,816	18,03,978	1,42,70,794	2,49,71,868	.....
V.—*Less*—Receipts on Capital Account	9,840	2,257	12,097	.....	.....
Net Outlay ...	1,24,56,976	18,01,721	1,42,58,697	2,49,71,868	.....
APPORTIONMENT.					
Chargeable to 35.—Construction of Protective Irrigation Works ...	1,24,56,976	18,01,721	1,42,58,697	2,49,71,868	.....

* Transferred to the new sub-head 5—Special Tools and Plant.

† Includes Re. 1 adjusted by Journal Entry 3rd batch.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

35.—PROTECTIVE IRRIGATION WORKS.

NIRA RIGHT BANK CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1917-18.	12,58,765	Net Revenue realized to end of 1917-18 .	.....
		Net Revenue realized during 1918-19 .	.....
Interest charges for the year 1918-19 ...	4,65,093		.....
		Balance net Interest charges ...	17,23,858
Total ...	17,23,858	Total ...	17,23,858

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	58,141	2,000	60,141
2. Leave and Pension Allowances	2,16,939	47,323	2,64,262
Total ...	2,75,080	49,323	3,24,403

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current sanctions.	Remarks
	Expenditure against construction Estimate.	Expenditure against open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Estimate sanctioned in Secretary of State's Despatch No. P. W.-30, dated 14th June 1912—*vide* Government of India's No. 697-I., dated 16th July 1912, communicated in Government Resolution No. 7653, dated 21st August 1912.
Works	...	...	...	1,15,93,747	2,02,92,270	86,98,523	1,15,93,747	
Establishment ...	...	...	...	18,87,583	43,54,327	24,66,744	18,87,583	
Tools and Plant ...	...	...	...	6,21,830	3,25,271	—2,96,559	6,21,830	
Suspense Accounts ...	...	...	...	1,67,634	...	—1,67,634	1,67,634	
Total ...	...	...	...	1,42,70,794	2,49,71,868	1,07,01,073	1,42,70,794	
Less—Receipts on Capital Account	...	...	...	12,097	...	—12,097	12,097	
Net Total ...	...	...	...	1,42,58,697	2,49,71,868	1,07,13,170	1,42,58,697	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	...	...	...	60,141	1,91,025	1,30,884	60,141	
Leave and Pension Allowances	...	...	...	2,64,262	6,09,606	3,45,344	2,64,262	
Total ...	...	...	...	3,24,403	8,00,631	4,76,228	3,24,403	
Grand Total ...	...	...	...	1,45,83,100	2,57,72,499	1,11,89,398	1,45,83,100	

N.B.—From the sanctioned provision of works Rs. 41,293 have been transferred to that of Tools and Plant—*vide* Government Resolution No. A. I.—1988, dated 17th February 1915, and No. A. I.—4435, dated 26th April 1916.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

DESERT CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	DIRECT CHARGES.			Cost of Construction as now estimated. (Construction Estimate closed on 31st March 1892.)	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
I.—WORKS.	Rs.	Rs.	Rs	Rs.	Rs.
(1)—*Head Works.*					
C. Works	63,481	...	63,481	63,481	63,481
K. Buildings	3,620	...	3,620	3,620	3,620
Total, Head Works ...	67,101	...	67,101	67,101	67,101
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses ...	1,425	...	1,425	1,425	1,425
B. Land	2,095	...	2,095	2,095	2,095
D. Regulators	1,29,607	4,495	1,34,102	1,33,621	1,29,125
E. Falls and Weirs	75,450	...	75,450	75,450	75,450
F. River and Hill Torrent Works ...	3	...	3	3	3
G. Bridges	79,136	...	79,136	79,136	79,136
H. Escapes	15,835	...	15,835	15,835	15,835
I. Navigation Works	6,665	...	6,665	6,665	6,665
K. Buildings	72,274	...	72,274	72,274	72,274
L. Earth-work	14,50,445	6,456	14,56,901	14,57,360	14,50,445
M. Plantations	1,507	...	1,507	1,507	1,507
O. Miscellaneous	15,117	...	15,117	15,117	15,117
P. Maintenance	6,908	...	6,908	6,908	6,908
Total, Main Canals and Branches ...	18,56,467	10,951	18,67,418	18,67,396	18,55,985
(3)—*Distributaries.*					
A. Preliminary Expenses	50	...	50	50	50
B. Land	313	...	313	313	313
C. Works	1,03,320	306	1,03,626	1,03,665	1,03,320
L. Earth-work	1,05,205	...	1,05,205	1,05,205	1,05,205
Total Distributaries ...	2,08,888	306	2,09,194	2,09,233	2,08,888
Total, I.—Works ...	21,32,456	11,257	21,43,713	21,43,730	21,31,974
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	1,11,567	2,327	4,85,706	4,85,803	1,11,545
3. Executive	3,71,812				3,71,730
Total Establishment ...	4,83,379	2,327	4,85,706	4,85,803	4,83,275
III.—TOOLS AND PLANT	25,679	—256	25,423	25,855	25,679
IV.—SUSPENSE ACCOUNTS	.....	...	.....	.....	.....
Grand Total ...	26,41,514	13,328	26,54,842	26,55,388	26,40,928
V.—*Less*—Receipts on Capital Account	37	...	37	37	37
Net Outlay ...	26,41,477	13,328	26,54,805	26,55,351	26,40,891
Apportionment.					
Chargeable to 49—Irrigation ...	19,36,029	13,328	19,49,357	19,49,903	19,35,443
Chargeable to 43.—Minor Works and Navigation ...	7,05,448	...	7,05,448	7,05,448	7,05,448
Total ...	26,41,477	13,328	26,54,805	26,55,351	26,40,891

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

DESERT CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	20,39,038	64,956	21,03,994	1. Head Works ...	4,789	2,950	7,739
5. Plantations ...	7,086	61	7,840	2. Main Canals and Branches ...	1,95,865	...	1,95,865
6. Other canal produce ...		693		3. Distributaries ...	48,299	...	48,299
9. Rents of buildings.	10,045	319	10,364	Total ...	2,48,953	2,950	2,51,903
10. Fines ...	17,931	1,931	19,862				
11. Miscellaneous receipts ...	23,492	1,229	24,721	II.—MAINTENANCE AND REPAIRS.			
Total ...	20,97,592	69,189	21,66,781	1. Head Works ...	43,743	...	43,743
				2. Main Canals and Branches ...	23,04,709	58,607	23,63,316
II.—INDIRECT RECEIPTS.				3. Distributaries ...	41,270	...	41,270
Irrigation share of Land Revenue collected in the Civil Department.	69,08,583	1,94,982	71,03,565	Total ...	23,89,722	58,607	24,48,329
				III.—COMPENSATION ...	279	...	279
Four per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 & 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	43,468	2,187	45,655	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	1,15,566	26,223	5,63,768
				3. Executive ...	4,21,979		
Total ...	69,52,051	1,97,169	71,49,220	Total ...	5,37,545	26,223	5,63,768
Total Receipts ...	90,49,643	2,66,358	93,16,001	V.—TOOLS AND PLANT ...	25,809	−1,401	24,408
				VI.—REFUNDS OF REVENUE ...	7,245	...	7,245
				Total ...	32,09,553	86,379	32,95,932
				Share of Collection Charges in the Civil Department	4,96,765	11,870	5,08,635
				Indirect Charges debitable to Revenue Account as per Account No. 5	83,060	3,682	86,742
				Total Charges ...	37,89,378	1,01,931	38,91,309
				Balance Net Revenue ...	52,60,265	1,64,427	54,24,692
Grand Total ...	90,49,643	2,66,358	93,16,001	Grand Total ...	90,49,643	2,66,358	93,16,001

Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and also on lands in Baluchistan Territory, and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883 :—

	Rs.
To end of 1917-1918.	19,88,407
Loss for 1918-1919...	58,337
Total ...	20,46,744

N.B.—Construction Estimate closed on 31st March 1892—*vide* Government Resolution No. 1253, dated 28th July 1891. Completion Report approved in Government Resolution No. 1760, dated 10th November 1893.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

DESERT CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1917-1918 ...	26,69,882	Net Revenue realized to end of 1917-1918 ...	52,60,265
		Do. during 1918-1919 ...	1,64,427
Interest charges for the year 1918-1919 ...	92,203		54,24,692
		Balance net Interest charges	—26,62,607
Total ...	27,62,085	Total ...	27,62,085

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Total.	1918-1919.	Previous.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	2,284	...	2,284
2. Leave and Pension Allowances	77,396	326	77,722
Total ...	79,680	326	80,006
REVENUE—			
1. Capitalized abatement of Land Revenue	5,767	11	5,778
2. Leave and Pension Allowances	77,293	3,671	80,964
Total ...	83,060	3,682	86,742

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

DESERT CANAL.

CANAL PROJECT.

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	9,86,127	11,45,847	21,31,974	11,739	11,756	17	21,43,713	
Establishment ...	2,20,523	2,62,752	4,83,275	2,431	2,528	97	4,85,706	
Tools and Plant ...	14,280	11,399	25,679	—256	176	432	25,423	
Total ...	12,20,930	14,19,998	26,40,928	13,914	14,460	546	26,54,842	
Less—Receipts on Capital Account	37	...	37	...	...	...	37	
Net Total ...	12,20,893	14,19,998	26,40,891	13,914	14,460	546	26,54,805	
INDIRECT CHARGES								
Capitalized Abatement of Land Revenue ...	...	2,284	2,284	...	...	...	2,284	
Leave and Pension Allowances ...	40,598	36,783	77,381	341	354	13	77,722	
Total ...	40,598	39,067	79,665	341	354	13	80,006	
Grand Total ...	12,61,491	14,59,065	27,20,556	14,255	14,814	559	27,34,811	Government Order (Public Works Department), No. W.I.—3350 dated 25th March 1918.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

UNHARWA'H.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	5,077	234	5,311	1. Head Works ...	76,109	3,191	79,300
4. Water-supply of towns ...	41	...	41	2. Main Canals and Branches	57,191	...	57,191
5. Plantations ...	2,619	28	2,802	3. Distributaries ...	7,467	...	7,467
6. Other canal produce.		155		Total ...	1,40,767	3,191	1,43,958
9. Rents of buildings.	103	...	103				
10. Fines ...	9,322	660	9,982	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous receipts ...	6,544	—296	6,248	1. Head Works ...	387	...	387
Total ...	23,706	781	24,487	2. Main Canals and Branches	7,26,485	24,321	7,50,806
II.—INDIRECT RECEIPTS.				3. Distributaries ...	11,224	...	11,224
Irrigation share of Land Revenue collected in the Civil Department	40,91,997	1,17,685	42,09,6 2	Total ...	7,38,096	24,321	7,62,417
Four per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A.I., dated, respectively, 20th June and 1st August 1889, commu nicated in Government Resolutions No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	68,571	3,035	71,606	III.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	38,174	11,720	1,56,342
				3. Executive	1,06,448		
Total ...	41,60,568	1,20,720	42,81,288	Total ...	1,44,622	11,720	1,56,342
Total Receipts ...	41,84,274	1,21,501	43,05,775	IV.—TOOLS AND PLANT...	7,064	—626	6,438
				Total ...	10,30,549	38,606	10,69,155
				Share of Collection Charges in the Civil Department	2,66,851	7,115	2,73,966
				Indirect Charges debitable to Revenue Account as per Account No. 5	22,462	1,657	24,119
				Total Charges ...	13,19,862	47,378	13,67,240
				Balance Net Revenue ...	28,64,412	74,123	29,38,535
Grand Total ...	41,84,274	1,21,501	43,05,775	Grand Total ...	41,84,274	1,21,501	43,05,775

Note.—Loss to the canal on account of difference between assessment of water-rates on Jaghir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.

	Rs.
To end of 1917-1918 ...	19,505
Loss for 1918-1919 ...	505
Total ...	20,010

N.B.—Last Capital Account detailed in the Administrative Accounts for 1915-16. Construction Estimate closed on 31st March 1891—*vide* Government Resolution No. 1253, dated 28th July 1891. Completion Report approved in Government Resolution No. 590, dated 6th April 1892.

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

UNHARWA'H.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1917-1918 ...	7,05,104	Net Revenue realized to end of 1917-1918...	28,64,412
Interest charges for the year 1918-1919 ...	26,742	Do. during 1918-1919 ...	74,123
			29,38,535
		Balance net Interest charges	—22,06,689
Total ...	7,31,846	Total ...	7,31,846

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	3,467	16	3,483
2. Leave and Pension Allowances	18,995	1,641	20,636
Total ...	22,462	1,657	24,119

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

BEGARI CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	DIRECT CHARGES.			Cost of construction as now estimated. (Construction estimate closed or 31st March 1891.)	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(2)—*Main Canals and Branches.*					
B. Land	24,888	...	24,888	27,693	409
D. Regulators	3,57,038	...	3,57,038	3,57,039	2,98,290
G. Bridges	70,650	...	70,650	70,649	66,673
H. Escapes	7,092	...	7,092	7,092	7,092
I. Navigation Works	2,065	...	2,065	2,065	2,065
K. Buildings	35,779	...	35,779	35,778	22,690
L. Earth-work	10,59,759	...	10,59,759	10,59,759	9,64,207
M. Plantations	11,455	...	11,455	11,455	11,266
O. Miscellaneous	4,543	...	4,543	4,543	3,544
Total, Main Canals and Branches ...	15,73,269	...	15,73,269	15,76,073	13,76,236
(3)—*Distributaries.*					
A. Preliminary Expenses ...	9,039	...	9,039	9,039	.....
B. Land	22,072	46,999	69,071	97,974	111
C. Works	2,16,060	...	2,16,060	2,16,436	1,79,901
L. Earth-work	1,91,510	...	1,91,510	2,18,682	10,972
Recoveries from colonists ...	—9,054	—11,714	—20,768	...	...
Total, Distributaries ...	4,29,627	35,285	4,64,912	5,42,131	1,90,984
Total, I—Works ...	20,02,896	35,285	20,38,181	21,18,204	15,67,220
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	81,401	7,294	3,59,582	3,45,519	61,758
3. Executive	2,70,887				2,05,029
Total, Establishment ...	3,52,288	7,294	3,59,582	3,45,519	2,66,787
III.—TOOLS AND PLANT ...	6,279	—803	5,476	6,277	4,722
IV.—Suspense Accounts ...	.....	....	.....	.....	.....
Grand Total ...	23,61,463	41,776	24,03,239	24,70,000	18,38,729
V.—*Less*—Receipts on Capital Account	19	...	19	19	19
Net Outlay ...	23,61,444	41,776	24,03,220	24,69,981	18,38,710
APPORTIONMENT.					
Chargeable to 49.—Irrigation ...	23,61,444	41,776	24,03,220	24,69,981	18,38,710

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

BEGA'RI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	TOTAL.			Charges.	TOTAL.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	12,99,887	18,783	13,18,670	1. Head Works ...	1,255	...	1,255
3. Sales of Water ...	525	...	525	2. Main Canals and Branches	3,28,540	7,731	3,36,271
4. Water-supply of Towns.	1,295	...	1,295	3. Distributaries ...	14,167	3,041	17,208
5. Plantations ...	13,378	21	15,117	Total ...	3,43,962	10,772	3,54,734
6. Other Canal Produce.		1,718		II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings.	260	15	275	2. Main Canals and Branches... ...	30,98,187	89,998	31,88,185
10. Fines ...	18,077	1,988	20,065	3. Distributaries ...	26,015	...	26,015
11. Miscellaneous Receipts ...	38,464	835	39,299	4. Drainage and Protective Works ...	17,343	...	17,343
Total ...	13,71,886	23,360	13,95,246	Total ...	31,41,545	89,998	32,31,543
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	1,51,41,357	3,38,657	1,54,80,014	1 & 2. Direction and Accounts ...	1,59,748	45,152	838,609
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 & 58—A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolutions No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	2,04,591	9,444	2,13,945	3. Executive	6,33,709		
Total ...	1,53,45,858	3,48,101	1,56,93,959	Total ...	7,93,457	45,152	8,38,609
Total, Receipts ...	1,67,17,744	3,71,461	1,70,89,205	V.—TOOLS AND PLANT ...	35,467	—2,417	33,050
Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and also on lands in Baluchistan Territory and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				VI.—REFUNDS OF REVENUE	1,751	...	1,751
				Suspense Account ...	1,971	—1,946	25
				Total ...	43,18,153	1,41,559	44,59,712
				Share of Collection Charges in the Civil Department	11,37,913	20,745	11,58,658
				Indirect Charges debitable to Revenue Account as per Account No. 5...	1,24,383	6,321	1,30,704
				Total, Charges ...	55,80,449	1,68,625	57,49,074
Rs.							
To end of 1917-1918. 21,82,094				Balance Net Revenue ...	1,11,37,295	2,02,836	1,13,40,131
Loss for 1918-1919. 43,899							
Total ...22,25,993							
Grand Total ...	1,67,17,744	3,71,461	1,70,89,205	Grand Total ...	1,67,17,744	3,71,461	1,70,89,205

N.B.—Construction Estimate closed on 31st March 1891—*Vide* Government Resolution No. 1253, dated 28th July 1891.
Completion Report approved in Government Resolution No. 753, dated 11th May 1892.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

BEGA'RI CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1917-18.	30,18,365	Net Revenue realized to end of 1917-18.	1,11,37,295
		Do. during 1918-1919.	2,02,836
Interest charges for the year 1918-1919.	82,948		1,13,40,131
		Balance net Interest charges	—82,38,818
Total ...	31,01,313	Total ...	31,01,313

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	17,925	.....	17,925
2. Leave and Pension Allowances	60,360	1,021	61,381
Total ...	78,285	1,021	79,306
REVENUE—			
1. Capitalized abatement of Land Revenue	2,118	.....	2,118
2. Leave and Pension Allowances	1,22,265	6,321	1,28,586
Total ...	1,24,383	6,321	1,30,704

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against Open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Second revised Estimate of the Choi Project sanctioned by the Government of India—*vide* their letter No. 730-I, dated 6th May 1914, communicated in Government Resolution No. W. I.-2007, dated 23rd June 1914 ... ... Rs. 6,42,293
Works ...	13,91,068	1,76,152	15,67,220	4,70,961	5,50,984	80,023	20,38,181	
Establishment ...	2,29,894	36,893	2,66,787	92,795	78,732	—14,063	3,59,582	
Tools and Plant ...	4,666	56	4,722	754	1,555	801	5,476	
Total ...	16,25,628	2,13,101	18,38,729	5,64,510	6,31,271	66,761	24,03,239	
Less—Receipts on Capital Account ...	19	...	19	...	...	...	19	
Net Total ...	16,25,609	2,13,101	18,38,710	5,64,510	6,31,271	66,761	24,03,220	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	4,246	949	5,195	12,730	...	—12,730	17,925	
Leave and Pension Allowances	43,224	5,165	48,389	12,992	11,022	—1,970	61,381	
Total ...	47,470	6,114	53,584	25,722	11,022	—14,700	79,306	
Grand Total ...	16,73,079	2,19,215	18,92,294	5,90,232	*6,42,293	52,061	24,82,526	

* Includes Rs. 68,012 on account of the cost of water-courses to be recovered from colonists.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

MAHIWAH.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against closed Estimates.
	Previous.	1918-1919.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(2)—Main Canals and Branches.					
B. Land	62,933	...	62,933	68,616	...
D. Regulators	1,53,899	...	1,53,899	1,61,973	...
E. Falls and Weirs	8,272	...	8,272	8,291	...
G. Bridges	44,200	...	44,200	46,358	...
K. Buildings	34,288	...	34,288	34,288	...
L. Earth-work	4,14,441	...	4,14,441	4,42,880	...
Total, Main Canals and Branches ...	7,18,033	...	7,18,033	7,62,406	...
(3)—Distributaries.					
C. Works	69,822	...	69,822	78,946	...
L. Earth-work	79,871	...	79,871	80,121	...
Total, Distributaries ...	1,49,693	...	1,49,693	1,59,067	...
(4)—Drainage and Protective Works.					
B. Land	4,210	...	4,210	4,210	...
C. Works	50,954	...	50,954	50,954	...
L. Earth-work	2,04,631	...	2,04,631	2,04,631	...
Total, Drainage and Protective Works ...	2,59,795	...	2,59,795	2,59,795	...
Total, I.—Works ...	11,27,521	...	11,27,521	11,81,268	...
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	53,473	...	53,473	2,54,486	...
3. Executive	1,90,404	...	1,90,404		
Total, II.—Establishment ...	2,43,877	...	2,43,877	2,54,486	...
III.—TOOLS AND PLANT	9,500	...	9,500	9,500	...
Grand Total ...	13,80,898	...	13,80,898	14,45,254	...
V.—*Less*—Receipts on Capital Account ...	6	...	6	6	...
Net Outlay ...	13,80,892	...	13,80,892	14,45,248	...
APPORTIONMENT.					
Chargeable to 49.—Irrigation	13,80,892	...	13,80,892	14,45,248	...

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

MAHIWAH.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,082	40	4,122	I.—EXTENSIONS AND IMPROVEMENTS.			
3. Sales of Water ...	6	...	6				
5. Plantations ...	400	30	430				
6. Other Canal Produce	1,793	177	1,970	2. Main Canals and Branches	88,868	2,107	90,975
9. Rents of Buildings.	380	13	393	3. Distributaries ...	5,466	...	5,466
10. Fines	9,711	74	9,785				
11. Miscellaneous Receipts	15,870	307	16,177	Total ...	94,334	2,107	96,441
Total ...	32,242	641	32,883	II.—MAINTENANCE AND REPAIRS.			
II.—INDIRECT RECEIPTS.				2. Main Canals and Branches ...	6,18,204	88,024	7,06,228
Irrigation share of Land Revenue collected in the Civil Department	10,16,063	—24,479	9,91,584	IV.—ESTABLISHMENT.			
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	41,986	2,699	44,685	1 & 2. Direction and Accounts ...	22,788	38,419	58,487
				3. Executive	—2,720		
				Total ...	20,068	38,419	58,487
				V.—TOOLS AND PLANT ...	5,553	—2,308	3,245
				VI.—REFUNDS OF REVENUE	...	184	184
				Total ...	7,38,159	1,26,426	8,64,585
Total ...	10,58,049	—21,780	10,36,269				
Total, Receipts ...	10,90,291	—21,139	10,69,152	Share of Collection Charges in the Civil Department	55,176	—1,478	53,698
				Indirect Charges debitable to Revenue Account as per Account No. 5	6,327	5,379	11,706
Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.							
Rs.							
To end of 1917-1918.. 91,375							
Loss for 1918-1919 ... 53							
Total ... 91,428				Total, Charges ...	7,99,662	1,30,327	9,29,989
				Balance Net Revenue ...	2,90,629	—1,51,466	1,39,163
Grand Total ...	10,90,291	—21,139	10,69,152	Grand Total ...	10,90,291	—21,139	10,69,152

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

MAHIWAH.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1917-1918 ...	7,36,964	Net Revenue realized to end of 1917-1918 ...	2,90,629
		Do. during 1918-1919 ...	—1,51,466
Interest charges for the year 1918-1919 ...	48,079		1,39,163
		Balance net Interest charges	6,45,880
Total ...	7,85,043	Total ...	7,85,043

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue...	24,649	.....	24,649
2. Leave and Pension Allowances	34,143	.....	34,143
Total ...	58,792	.....	58,792
REVENUE—			
1. Capitalized abatement of Land Revenue	3,518	.....	3,518
2. Leave and Pension Allowances	2,809	5,379	8,188
Total ...	6,327	5,379	11,706

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed sanctions.			Current Sanctions.			Total charges to date against old and current sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against Open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	...	...	...	11,27,521	11,81,268	53,747	11,27,521	
Establishment ...	...	...	...	2,43,877	2,54,486	10,609	2,43,877	
Tools and Plant ...	...	...	...	9,500	9,500	...	9,500	
Total ...	...	...	...	13,80,898	14,45,254	64,356	13,80,898	
Less—Receipts on Capital Account...	...	...	...	6	6	...	6	
Net Total ...	...	...	...	13,80,892	14,45,248	64,356	13,80,892	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue...	...	...	...	24,649	36,425	11,776	24,649	
Leave and Pension Allowances ...	...	...	...	34,143	35,683	1,540	34,143	
Total ...	...	...	...	58,792	72,108	13,316	58,792	
Grand Total ...	...	...	...	14,39,684	15,17,356	77,672	14,39,684	

Revised Estimate sanctioned in the Secretary of State's Despatch No. 20-P.W., dated 15th July 1910, communicated in Government of India's No. 691-I., dated 8th August 1910, *vide* Government Resolution No. W. I.—2211, dated 15th October 1910 ... ... Rs. 15,17,356

Note.—From the sanctioned provision of Establishment Rs. 397 have been transferred to that of Tools and Plant, *vide* para. 2 of Government Resolution No. 2228, dated 18th October 1910.

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

EASTERN NARA WORKS.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1898.)	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
B. Land	1,638	...	1,638	1,638	1,638
C. Works	12,33,300	...	12,33,300	12,33,300	12,33,300
K. Buildings	1,862	...	1,862	1,862	1,862
Total, Head Works ...	12,36,800	...	12,36,800	12,36,800	12,36,800
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	2,709	...	2,709	5,439	2,554
B. Land	...	...	...	3,400	...
D. Regulators	2,57,668	...	2,57,668	2,82,849	2,57,668
G. Bridges	1,61,703	...	1,61,703	1,66,248	1,61,703
H. Escapes	45,632	...	45,632	45,632	45,632
K. Buildings	93,089	...	93,089	1,13,009	93,089
L. Earth-work	7,66,537	...	7,66,537	8,84,429	7,66,537
M. Plantations	16,742	...	16,742	17,356	16,742
N. Tanks and Reservoirs	1,441	...	1,441	1,441	1,441
O. Miscellaneous	32,121	...	32,121	36,530	32,121
P. Maintenance	...	...	...	11,788	...
Total, Main Canals and Branches ...	13,77,642	...	13,77,642	15,68,121	13,77,487
(3) *Distributaries.*					
A. Preliminary Expenses	5,560	1,605	71,65	7,773	3,910
B. Land	2,650	...	2,650	8,350	2,650
C. Works	2,70,729	44,461	3,15,190	3,16,813	2,66,490
L. Earth-work	1,23,539	65,813	1,89,352	2,42,316	1,12,073
O. Miscellaneous	32,079	6,472	38,551	53,883	29,878
P. Maintenance	...	...	...	13,022	...
Total, Distributaries ...	4,34,557	1,18,351	5,52,908	6,42,157	4,15,001
(4) *Drainage and Protective Works.*					
A. Preliminary Expenses	65,327	...	65,327	65,327	65,327
B. Land	2,832	...	2,832	2,832	2,832
C. Works	2,38,182	...	2,38,182	2,38,182	2,38,182
L. Earth-work	20,26,845	...	20,29,845	20,29,845	20,29,845
O. Miscellaneous	425	...	425	425	425
Total, Drainage and Protective Works ...	23,36,611	...	23,36,611	23,36,611	23,36,611
Total, I.—Works ...	53,85,610	1,18,351	55,03,961	57,83,689	53,65,899
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	2,73,620				2,72,733
3. Executive	10,69,031	38,767	13,81,468	14,33,881	10,65,730
5. Special Survey	4,882		4,882		4,882
Total, II.—Establishment ...	13,47,583	38,767	13,86,350	14,33,881	13,43,345
III.—TOOLS AND PLANT	72,154	1,054	73,208	78,121	71,858
Grand Total ...	68,05,347	1,58,172	69,63,519	72,95,691	67,81,102
V.—*Less*—Receipts on Capital Account ...	176	...	176	176	176
Net Outlay ...	68,05,171	1,58,172	69,63,343	72,95,515	67,80,926
APPORTIONMENT.					
Chargeable to 49.—Irrigation	44,15,381	1,58,172	45,73,553	49,05,725	43,91,136
Chargeable to 43.—Minor Works and Navigation	23,89,790	...	23,89,790	23,89,790	23,89,790
Total ...	68,05,171	1,58,172	69,63,343	72,95,515	67,80,926

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

EASTERN NÁRA WORKS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,45,964	4,020	4,49,984	1. Head Works ...	10,428	4,789	15,217
3. Sales of water ...	2,930	222	3,152	2. Main Canals and Branches ...	2,56,862	21,054	2,77,916
5. Plantations ...	} 2,35,737	{ 2,506	} 2,46,605	3. Distributaries ...	38,231	...	38,231
6. Other Canal Produce		{ 8,362		4. Drainage and Protective Works ...	1,51,386	...	1,51,386
8. Navigation ...	5,549	1,262	6,811				
9. Rents of buildings	608	84	692				
10. Fines	40,682	2,039	42,721	Total ...	4,56,907	25,843	4,82,750
11. Miscellaneous Receipts	5,87,833	3,871	5,91,704	II.—MAINTENANCE AND REPAIRS.			
Total ...	13,19,303	22,366	13,41,669	1. Head Works ...	2,33,330	39,156	2,72,486
				2. Main Canals and Branches ...	21,55,131	85,632	22,40,763
II.—INDIRECT RECEIPTS.				3. Distributaries ...	72,240	...	72,240
Irrigation share of Land Revenue collected in the Civil Department.	2,07,99,526	5,06,351	2,13,05,877	4. Drainage and Protective Works ...	8,02,384	15,710	8,18,094
				Unclassified Outlay ...	5,36,057	...	5,36,057
				Total ...	37,99,142	1,40,498	39,39,640
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated respectively 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	43,104	4,223	47,327	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	2,53,812	} 96,559	} 16,38,917
				3. Executive	12,88,546		
				Total ...	15,42,358	96,559	16,38,917
Total ...	2,08,42,630	5,10,574	2,13,53,204	V.—TOOLS AND PLANT ...	48,650	73	48,723
Total, Receipts ...	2,21,61,933	5,32,940	2,26,94,873	VI.—REFUNDS OF REVENUE	8,042	...	8,042
				Suspense Account ...	3,535	– 61	3,474
				Total ...	58,58,634	2,62,912	61,21,546
				Share of Collection Charges in the Civil Department	16,19,186	30,761	16,49,947
				Indirect Charges debitable to Revenue Account as per Account No. 5	2,42,596	13,518	2,56,114
				Total, Charges ...	77,20,416	3,07,191	80,27,607
				Balance Net Revenue ...	1,44,41,517	2,25,749	1,46,67,266
Grand Total ...	2,21,61,933	5,32,940	2,26,94,873	Grand Total ...	2,21,61,933	5,32,940	2,26,94,873

Note,—Loss to the canal on account of difference between assessment of water rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.

	Rs.
To end of 1917-1918.	6,07,149
Loss for 1918-1919...	24,032
Total ...	6,31,181

N. B.—Construction Estimate closed on 31st March 1898—*vide* Government Resolution No. 1766, dated 18th November 1895. Completion Report approved in Government Resolution No. 438, dated 17th February 1913.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

EASTERN NA'RA WORKS.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1917-1918 ...	1,01,60,239	Net revenue realized to end of 1917-1918 ...	1,44,41,517
Interest charges for the year 1918-1919 ...	2,39,697	Do. during 1918-1919 ...	2,25,749
			1,46,67,266
		Balance net interest charges ...	—42,67,330
Total ...	1,03,99,936	Total ...	1,03,99,936

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	3,084	...	3,084
2. Leave and Pension Allowances	2,32,614	5,427	2,38,041
Total ...	2,35,698	5,427	2,41,125
REVENUE—			
1. Capitalized abatement of Land Revenue	2	.....	2
2. Leave and Pension Allowances	2,42,594	13,518	2,56,112
Total ...	2,42,596	13,518	2,56,114

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current sanctions.	Remarks.
	Expenditure against Construction Estimate.	Expenditure against Open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	48,30,172	5,35,727	53,65,899	1,38,062	4,17,790	2,79,728	55,03,961	Government of India, Public Works Department, No. 180-I., dated 16th February 1916, communicated in Government Resolution, Public Works Department, No. 3115, dated 18th March 1916 ... ... Rs. 3,84,516 Government of India, Public Works Department, No. 106-I., dated 1st May 1918, communicated in Government Resolution, Public Works Department, No. 5600, dated 29th May 1918 ... „ 1,48,042 5,32,558
Establishment	11,84,114	1,59,231	13,43,345	43,005	90,536	47,531	13,86,350	
Tools and Plant... ...	50,880	20,978	71,858	1,350	6,263	4,913	73,208	
Total ..	60,65,166	7,15,936	67,81,102	1,82,417	5,14,589	3,32,172	69,63,519	
Less—Receipt on Capital Account ...	179	—3	176	...	...	...	176	
Net Total ...	60,64,987	7,15,939	67,80,926	1,82,417	5,14,589	3,32,172	69,63,343	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	2,669	415	3,084	...	5,293	5,293	3,084	
Leave and Pension Allowances	2,09,728	22,293	2,32,021	6,020	12,676	6,656	2,38,041	
Total ...	2,12,397	22,708	2,35,105	6,020	17,969	11,949	2,41,125	
Grand Total ...	62,77,384	7,38,647	70,16,031	1,88,437	5,32,558	3,44,121	72,04,468	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

JÁMRÁO CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated. (Construction estimate closed on 31st March 1902.)	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(1)—*Head Works.*					
A. Preliminary Expenses	4,738	...	4,738	4,738	4,738
B. Land	346	40,173	40,519	346	346
C. Works	16,71,010 * 347	...	16,71,357	16,71,357	16,71,357
K. Buildings	1,01,411	...	1,01,411	1,01,411	1,01,411
O. Miscellaneous	31,921	...	31,921	31,921	31,921
P. Maintenance	25,550	...	25,550	25,550	25,550
Total, Head Works ...	18,35,323	40,173	18,75,496	18,35,323	18,35,323
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	32,466	...	32,466	32,466	32,466
B. Land	25,269	...	25,269	25,269	25,269
D. Regulators	3,74,148	...	3,74,148	3,74,148	3,74,148
E. Falls and Weirs	85,625	...	85,625	85,625	85,625
F (1). Other Cross Drainage Works ...	1,83,594	...	1,83,594	1,83,594	1,83,594
G. Bridges	1,71,475	...	1,71,475	1,71,475	1,71,475
H. Escapes	44,222	...	44,222	44,222	44,222
K. Buildings	3,22,857	...	3,22,857	3,22,857	3,22,857
L. Earthwork	25,26,346	...	25,26,346	25,26,346	25,26,346
M. Plantations	45,869	...	45,869	45,869	45,869
O. Miscellaneous	57,290	...	57,290	57,290	57,290
P. Maintenance	26,088	...	26,088	26,088	26,088
Total, Main Canals and Branches ...	38,95,249	...	38,95,249	38,95,249	38,95,249
Carried over ...	57,30,572	40,173	57,70,745	57,30,572	57,30,572

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

JA'MRA'O CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated (Construction estimated close on 31st March 1902).	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	57,30,572	40,173	57,70,745	57,30,572	57,30,572
(3)—*Distributaries.*					
A. Preliminary Expenses	9,165	98	9,263	9,285	9,165
B. Land	10,112	...	10,112	10,292	10,112
C. Works	3,49,280	3,988	3,53,268	3,53,026	3,49,280
L. Earthwork	7,36,022	8,946	7,44,968	7,47,352	7,36,022
O. Miscellaneous	57,215	—1,676	55,539	55,784	55,411
P. Maintenance	10,041	...	10,041	10,041	10,041
Total, Distributaries ...	11,71,835	11,356	11,83,191	11,85,780	11,70,031
(4)—*Drainage and Protective Works.*					
A. Preliminary Expenses	363	...	363	363	363
C. Works	23,824	...	23,824	23,824	23,824
L. Earthwork	31,145	...	31,145	31,145	31,145
O. Miscellaneous	9,134	...	9,134	9,134	9,134
Total, Drainage and Protective Works ...	64,466	...	64,466	64,466	64,466
Total I.—Works ...	69,66,873	51,529	70,18,402	69,80,818	69,65,069
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	3,44,267	12,025	14,90,773	14,99,101	14,95,557
3. Executive	11,34,481				
4. Medical	8,453	...	8,453		
5. Special Survey	8,947	...	8,947		
Total, Establishment ...	14,96,148	12,025	15,08,173	14,99,101	14,95,557
III.—TOOLS AND PLANT	1,82,511 *—347	—813	1,81,351	1,82,384	1,82,148
IV.—SUSPENSE ACCOUNTS	4,606	...	4,606	4,606	4,606
Grand Total ...	86,49,791	62,741	87,12,532	86,66,909	86,47,380
V.—*Less*—Receipts on Capital Account ...	981	...	981	981	981
Net Outlay ...	86,48,810	62,741	87,11,551	86,65,928	86,46,399
APPORTIONMENT.					
Chargeable to 49—Irrigation	86,48,810	62,741	87,11,551	86,65,928	86,46,399

* Erroneous classification in previous year rectified.

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

JA'MRA'O CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,70,570	2,057	4,72,627	1. Head Works ...	167	...	167
3. Sales of water ...	218	86	304	2. Main Canals and Branches ...	16,506	3,814	20,320
4. Water supply of towns ...	5	...	5	3. Distributaries ...	74,523	662	75,185
5. Plantations ...	5,079	787	5,866	Total ...	91,196	4,476	95,672
6. Other canal produce ...	1,18,379	5,791	1,24,170				
7. Water-power ...	13	...	13				
9. Rents of buildings.	12,273	665	12,938	II.—MAINTENANCE AND REPAIRS.			
10. Fines ...	2,07,329	15,424	2,22,753				
11. Miscellaneous Receipts ...	69,941	7,129	77,070	1. Head Works ...	73,831	3,736	77,567
				2. Main Canals and Branches ...	14,79,082	1,10,279	15,89,361
Total ...	8,83,807	31,939	9,15,746	3. Distributaries ...	11,78,944	67,359	12,46,303
				4. Drainage and Protective Works ...	1,024	...	1,024
II.—INDIRECT RECEIPTS.							
				Total ...	27,32,881	1,81,374	29,14,255
Irrigation share of Land Revenue collected in the Civil Department.	1,08,17,426	6,44,502	1,14,61,928	IV.—ESTABLISHMENT.			
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A.I., dated respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	7,13,907	71,845	7,85,752	1 & 2. Direction and Accounts ...	1,60,591	1,66,320	23,27,723
				3. Executive ...	20,00,812		
				Total ...	21,61,403	1,66,320	23,27,723
Total ...	1,15,31,333	7,16,347	1,22,47,680	V.—TOOLS AND PLANT ...	70,337	1,656	71,993
Total Receipts ...	1,24,15,140	7,48,286	1,31,63,426	VI.—REFUNDS OF REVENUE	267	69	336
				Suspense Account ...	—2,681	—594	—3,275
				Total ...	50,53,403	3,53,301	54,06,704
				Share of Collection Charges in the Civil Department ...	3,46,441	20,030	3,66,471
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	3,03,616	23,285	3,26,901
				Total Charges ...	57,03,460	3,96,616	61,00,076
				Balance Net Revenue ...	67,11,680	3,51,670	70,63,350
Grand Total ...	1,24,15,140	7,48,286	1,31,63,426	Grand Total...	1,24,15,140	7,48,286	1,31,63,426

Note.—Loss to the canal on account of difference between assesssment of water-rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.

	Rs.
To end of 1917-1918.	1,98,312
Loss for 1918-1919...	8,523
Total ...	2,06,835

N.B.—Construction Estimate closed on 31st March 1902—*vide* Government Resolution No. 1796, dated 28th August 1901. Completion Report approved in Government Resolution No. 1706, dated 30th June 1906.

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

JA'MRA'O CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1917-1918.	58,32,183	Net revenue realized to end of 1917-1918 ...	67,11,680
Interest charges for the year 1918-1919 ...	3,02,226	Do. during 1918-1919 ...	3,51,670
			70,63,350
		Balance net interest charges ...	—9,28,941
Total ...	61,34,409	Total ...	61,34,409

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	48,924	.....	48,924
2. Leave and Pension Allowances	2,09,460	1,684	2,11,144
Total ...	2,58,384	1,684	2,60,068
REVENUE—			
1. Capitalized abatement of Land Revenue	1,018	.....	1,018
2. Leave and Pension Allowances	3,02,598	23,285	3,25,883
Total ...	3,03,616	23,285	3,26,901

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs. 10,206 Government Order, (P. W. D.) No. W. I. 24770, dated 3rd March 1919
Works ...	64,74,033	4,91,036	69,65,069	53,333	15,749	—37,584	70,18,402	7,096 do. 4120, dated 3rd April 1919
Establishment ...	11,51,054	3,44,503	14,95,557	12,616	3,544	—9,072	15,08,173	2,823 do. 6315, dated 6th June 1919
Tools and Plant ...	1,81,762	386	1,82,148	—797	236	1,033	1,81,351	20,125
Suspense Accounts ...	53	4,553	4,606	...	...	...	4,606	
Total ...	78,06,902	8,40,478	86,47,380	65,152	19,529	—45,623	87,12,532	
Less—Receipts on Capital Account .	981	...	981	...	...	...	981	
Net Total ...	78,05,921	8,40,478	86,46,399	65,152	19,529	—45,623	87,11,551	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	35,896	13,028	48,924	...	100	100	48,924	Do. do.
Leave and Pension Allowances ...	1,61,148	48,229	2,09,377	1,767	496	—1,271	2,11,144	Do. do.
Total ...	1,97,044	61,257	2,58,301	1,767	596	—1,171	2,60,068	
Grand Total ...	80,02,965	9,01,735	89,04,700	66,919	20,125	—46,794	89,71,619	

Note.—The excess is due to land charges having been paid during the year 1918-19, for the land acquired for the Flood Diversion Bund, Nara supply channel. The work was reported completed during the year 1917-18. The further Estimate for this work is under preparation.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

DA'D CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated. (Construction estimate closed on 31st March 1907.)	Expenditure against closed estimates.
	Previous.	1918-19.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses ...	4,134	.....	4,134	4,134	4,134
B. Land	39,338	.....	39,338	39,338	39,338
D. Regulators	2,00,254	.....	2,00,254	2,00,254	2,00,254
G. Bridges	91,352	.....	91,352	91,352	91,352
H. Escapes	13,077	.....	13,077	13,077	13,077
K. Buildings	89,030	.....	89,030	89,030	89,030
L. Earth-work	14,18,551	.....	14,18,551	14,18,551	14,18,551
O. Miscellaneous	7,086	.....	7,086	7,086	7,086
Total, Main Canals and Branches ...	18,62,822	.....	18,62,822	18,62,822	18,62,822
(3)—*Distributaries.*					
B. Land	2,600	.....	2,600	5,738	20
C. Works	91,637	.....	91,637	93,239	68,280
L. Earth-work	1,00,332	.....	1,00,332	1,04,564	24,564
O. Miscellaneous	1,07,349	—5,149	1,02,200	82,361	—4,914
Total, Distributaries ...	3,01,918	—5,149	2,96,769	2,85,902	82,950
(4)—*Drainage and Protective Works.*					
L. Earth-work	14,590	.....	14,590	14,590	14,590
O. Miscellaneous	505	.....	505	505	505
Total, Drainage and Protective Works.	15,095	.....	15,095	15,095	15,095
Total I.—Works ...	21,79,835	—5,149	21,74,686	21,63,819	19,60,867
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	1,05,625	—1,687	3,61,059	3,83,868	3,29,728
3. Executive	2,57,121				
5. Special Survey	12,721	.....	12,721		12,721
Total, Establishment ...	3,75,467	—1,687	3,73,780	3,83,868	3,42,449
III.—TOOLS AND PLANT	19,342	—46	19,296	19,009	16,973
Grand Total ...	25,74,644	—6,882	25,67,762	25,66,696	23,20,289
V.—*Less*—Receipts on Capital Account.	34	.....	34	34	34
Net Outlay ...	25,74,610	—6,882	25,67,728	25,66,662	23,20,255
APPORTIONMENT.					
Chargeable to 49—Irrigation ...	25,70,783	—6,882	25,63,901	25,62,835	23,16,428
Do. 43—Minor Works and Navigation	3,827	.....	3,827	3,827	3,827
Total ...	25,74,610	—6,882	25,67,728	25,66,662	23,20,255

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

DA'D CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total. Previous.	1918-1919.	Total.	Charges.	Total. Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	12,356	640	12,996	1. Head Works ...	1,447	...	1,447
5. Plantations ...	6,570	715	7,285	2. Main Canals and Branches ...	66,417	2,298	68,715
6. Other canal produce ...	1,182	27	1,209	3. Distributaries ...	1,213	2,330	3,543
9. Rents of buildings.	3,060	549	3,609	Average expenditure before improvements...	—81,519	—4,608	—86,127
10. Fines ...	4,228	...	4,228				
11. Miscellaneous Receipts ...	11,375	282	11,657	Total ...	—12,442	20	—12,422
Total ...	38,771	2,213	40,984	II.—MAINTENANCE AND REPAIRS.			
II—INDIRECT RECEIPTS.				2. Main Canals and Branches ...	10,19,766	66,756	10,86,522
Irrigation share of Land Revenue collected in the Civil Department ...	21,82,945	1,26,034	23,08,979	3. Distributaries ...	22,008	6,783	28,791
				Total ...	10,41,774	73,539	11,15,313
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 & 58-A.I., dated respectively, 20th June and 1st August 1889, communicated in Government Resolutions No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	93,998	7,685	1,01,683	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	53,410	56,995	2,95,787
				3. Executive ...	1,85,382		
Total ...	22,76,943	1,33,719	24,10,662	Total ...	2,38,792	56,995	2,95,787
Total Receipts ...	23,15,714	1,35,932	24,51,646	V.—TOOLS AND PLANT...	9,776	737	10,513
				VI.—REFUNDS OF REVENUE ...	83	375	458
				Suspense Account ...	...	1,465	1,465
				Total ...	12,77,983	1,33,131	14,11,114
				Share of Collection Charges in the Civil Department	1,11,109	7,625	1,18,734
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	34,625	7,979	42,604
				Total Charges ...	14,23,717	1,48,735	15,72,452
				Balance Net Revenue ...	8,91,997	—12,803	8,79,194
Grand Total ...	23,15,714	1,35,932	24,51,646	Grand Total ...	23,15,714	1,35,932	24,51,646

Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.

	Rs.
To end of 1917-1918.	3,35,577
Loss for 1918-1919 ...	12,061
Total ...	3,47,638

N. B.—Construction Estimate closed on 31st March 1907—*vide* Government Resolution No. 2191, dated 17th August 1908.
Completion Report approved in Government Resolution No. 1054, dated 30th April 1910.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

DA'D CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1917-1918 ...	14,88,844	Net revenue realized to end of 1917-19 18 ...	8,91,997
		Do. during 1918-1919 ...	— 12,803
			8,79,194
Interest charges for the year 1918-1919 ...	89,523	Balance net Interest charges	6,99,173
Total ...	15,78,367	Total ...	15,78,367

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous	1918-1919.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	41,453	.....	41,453
2. Leave and Pension Allowances	52,565	—236	52,329
Total ...	94,018	—236	93,782
REVENUE—			
1. Capitalized abatement of Land Revenue	1,194	.....	1,194
2. Leave and Pension Allowances	33,431	7,979	41,410
Total ...	34,625	7,979	42,604

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against open capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	18,99,648	61,219	19,60,867	2,13,819	2,02,952	—10,867	21,74,686	
Establishment ...	3,16,663	25,786	3,42,449	31,331	41,419	10,088	3,73,780	
Tools and Plant ...	16,579	394	16,973	2,323	2,036	—287	19,296	
Total ...	22,32,890	87,399	23,20,289	2,47,473	2,46,407	—1,066	25,67,762	
Less—Receipts on Capital Account ...	34	...	34	...	...	...	34	
Net Total ...	22,32,856	87,399	23,20,255	2,47,473	2,46,407	—10,66	25,67,728	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	40,168	1,110	41,278	175	3,025	2,850	41,453	
Leave and Pension Allowances ...	44,333	3,610	47,943	4,386	5,799	1,413	52,329	
Total ...	84,501	4,720	89,221	4,561	8,824	4,263	93,782	
Grand Total ...	23,17,357	92,119	24,09,476	2,52,034	2,55,231	3,197	26,61,510	Revised Estimates of the Pen Distributary sanctioned by the Government of India—*vide* No. 979-I, dated 29th June 1914, communicated in Government Resolution No. W. I. 9017, dated 12th August 1914 ... Rs. 2,55,231

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

NASRAT CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated. (Construction estimate closed on 31st March 1907.)	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	1,653	...	1,653	1,653	1,653
B. Land	40,941	...	40,941	40,941	40,941
D. Regulators	1,84,574	...	1,84,574	1,84,574	1,84,574
G. Bridges	67,852	...	67,852	67,852	67,852
K. Buildings	69,315	...	69,315	69,315	69,315
L. Earth-work	9,78,967	...	9,78,967	9,78,967	9,78,967
O. Miscellaneous	4,430	...	4,430	4,430	4,430
Total, Main Canals and Branches	13,47,732	...	13,47,732	13,47,732	13,47,732
(3)—*Distributaries.*					
B. Land	576	...	576	576	576
C. Works	1,38,669	...	1,38,669	1,38,669	1,38,669
L. Earth-work	73,188	...	73,188	73,188	73,188
O. Miscellaneous	—17,222	—799	—18,021	—18,021	—18,021
Total, Distributaries	1,95,211	—799	1,94,412	1,94,412	1,94,412
(4)—*Drainage and Protective Works.*					
L. Earth-work	4,398	...	4,398	4,398	4,398
O. Miscellaneous	377	...	377	377	377
Total, Drainage and Protective Works	4,775	...	4,775	4,775	4,775
Total, I.—Works	15,47,718	—799	15,46,919	15,46,919	15,46,919
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	76,679	—262	2,51,885	2,51,885	2,51,885
3. Executive	1,75,468				
5. Special Survey	1,263	...	1,263	1,263	1,263
Total, Establishment	2,53,410	—262	2,53,148	2,53,148	2,53,148
III.—TOOLS AND PLANT	6,875	—7	6,868	6,868	6,868
Grand Total	18,08,003	—1,068	18,06,935	18,06,935	18,06,935
V.—*Less*—Receipts on Capital Account	158	...	158	158	158
Net Outlay	18,07,845	—1,068	18,06,777	18,06,777	18,06,777
APPORTIONMENT.					
Chargeable to 49.—Irrigation	18,07,845	—1,068	18,06,777	18,06,777	18,06,777

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

NASRAT CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	—153	—20	—173				
3. Sales of water ...	98	...	98	2. Main Canals and Branches	64,981	2,315	67,296
5. Plantations ...	2,577	450	3,027	3. Distributaries. ...	1,241	1,760	3,001
6. Other canal produce	1,348	8	1,356				
8. Navigation ...	33	...	33	Total ...	66,222	4,075	70,297
9. Rents of buildings.	2,172	544	2,716				
10. Fines	3,828	...	3,828	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts	3,352	416	3,768				
				2. Main Canals and Branches	9,79,282	68,674	10,47,956
Total ...	13,255	1,398	14,653				
				IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS.							
				1 & 2. Direction and Accounts	66,112	50,618	3,08,304
Irrigation share of Land Revenue collected in the Civil Department ...	22,57,774	74,613	23,32,387	3. Executive	1,91,574		
¼ per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 & 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolutions No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 ...	1,23,870	13,187	1,37,057	Total ...	2,57,686	50,618	3,08,304
				V.—TOOLS AND PLANT...	9,081	691	9,772
Total ...	23,81,644	87,800	24,69,444	Total ...	13,12,271	1,24,058	14,36,329
Total, Receipts ...	23,94,899	89,198	24,84,097	Share of Collection Charges in the Civil Department	1,35,045	4,277	1,39,322
Note.—Loss to the canal on account of difference between assessment of water rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				Indirect charges debitable to Revenue Account as per Account No. 5	36,110	7,087	43,197
Rs.							
To end of 1917-1918...27,196							
Loss for 1918-1919 ... 569							
Total ...27,765				Total, Charges ...	14,83,426	1,35,422	16,18,848
				Balance Net Revenue ...	9,11,473	—46,224	8,65,249
Grand Total ..	23,94,899	89,198	24,84,097	Grand Total ...	23,94,899	89,198	24,84,097

N. B.—Construction Estimate closed on 31st March 1907—*vide* Government Resolution No. 2191, dated 17th August 1908.
Completion Report approved in Government Resolution No. 1054, dated 30th April 1910.

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

NASRAT CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1917-1918. ...	9,78,257	Net revenue realized to end of 1917-1918 ...	9,11,473
		Do. during 1918-1919 ...	−46,224
			8,65,249
Interest charges for the year 1918-1919. ...	62,927	Balance net Interest charges	1,75,935
Total ...	10,41,184	Total ...	10,41,184

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	22,749	.....	22,749
2. Leave and Pension Allowances	35,477	—37	35,440
Total ...	58,226	—37	58,189
REVENUE—			
1. Capitalized abatement of Land Revenue	33	.....	33
2. Leave and Pension Allowances	36,077	7,087	43,164
Total ...	36,110	7,087	43,197

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against closed sanctions.			Current sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	15,71,638	—24,719	15,46,919				15,46,919	
Establishment ...	2,23,469	29,679	2,53,148				2,53,148	
Tools and Plant ...	5,046	1,822	6,868				6,868	
Total ...	18,00,153	6,782	18,06,935				18,06,935	
Less—Receipts on Capital Account	158	...	158				158	
Net Total ...	17,99,995	6,782	18,06,777				18,06,777	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	15,098	7,651	22,749				22,749	
Leave and Pension Allowances	31,285	4,155	35,440				35,440	
Total ...	46,383	11,806	58,189				58,189	
Grand Total ...	18,46,378	18,588	18,64,966				18,64,966	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

NAULA'KHI CANAL.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1917-1918 ...	2,616	Net revenue realized to end of 1917-1918 ...	...
Interest charges for the year 1918-1919 ...	178	Do. during 1918-1919 ...	...
			...
		Balance net interest charges	2,794
Total ...	2,794	Total ...	2,794

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	...	...	...	4,876	9,72,019	9,67,143	4,876	Project sanctioned by the Secretary of State in Despatch No. 51—P. W., dated 5th December 1895, communicated in Government of India's No. 5—I., dated 14th January 1896—*vide* Government Resolution No. W. I.—145, dated 30th idem. The date for the construction of the work extended for a further period of 5 years from 6th December 1910, *vide* Government of India's letter No. 1270—I., dated 21st December 1910, communicated in Government Resolution (P. W.) No. 79, dated 17th January 1911.
Establishment	...	...	...	236	2,31,493	2,31,257	236	
Tools and Plant ...	...	...	...	...	14,423	14,423	...	
Total ...	...	...	...	5,112	12,17,935	12,12,823	5,112	
Less,—Receipts on Capital Account	...	...	...	...	...	...	...	
Net Total ...	...	...	...	5,112	12,17,935	12,12,823	5,112	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	...	...	...	...	12,470	12,470	...	
Leave and Pension Allowances	...	...	...	33	32,149	32,116	33	
Total ...	...	...	...	33	44,619	44,586	33	
Grand Total ...	...	...	...	5,145	12,62,554	12,57,409	5,145	

N. B.—Last Capital Account detailed in the Administrative Accounts for 1903-1904.

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

HA'THMATI AND KHÁRI CUT CANALS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	9,30,311	36,002	9,66,313	1. Head Works ...	12,724	1,909	14,633
3. Sales of water ...	1,433	5	1,438	2. Main Canals and Branches	61,493	4,960	66,453
4. Water-supply of towns	1,344	575	1,919	3. Distributaries ...	7,057	...	7,057
5. Plantations ...	66,164	7	68,259	Total ...	81,274	6,869	88,143
6. Other Canal Produce		2,088					
9. Rents of Buildings	36	1	37				
10. Fines	359	...	359	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts	23,386	2,537	25,923	1. Head Works	76,192	4,126	80,318
				2. Main Canals and Branches	2,90,840	10,346	3,01,186
Total ...	10,23,033	41,215	10,64,248	3. Distributaries ...	78,278	3,452	81,730
				4. Drainage and Protective Works ...	4,402	...	4,402
II.—INDIRECT RECEIPTS.				Total ...	4,49,712	17,924	4,67,636
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	III.—COMPENSATION ...	3,615	...	3,615
				IV.—ESTABLISHMENT.			
Total, Receipts ...	10,23,033	41,215	10,64,248	1 & 2. Direction and Accounts	24,250	3,466	2,34,342
				3. Executive	2,06,626		
				Total ...	2,30,876	3,466	2,34,342
				V.—TOOLS AND PLANT ...	8,142	197	8,339
				Profit and Loss	186	...	186
				VI.—REFUNDS OF REVENUE	3,786	57	3,843
				Total ...	7,77,591	28,513	8,06,104
				Share of Collection Charges in the Civil Department	46,541	1,800	48,341
				Indirect Charges debitable to Revenue Account as per Account No. 5	34,782	485	35,267
				Total, Charges ...	8,58,914	30,798	8,89,712
				Balance Net Revenue ...	1,64,119	10,417	1,74,536
Grand Total ...	10,23,033	41,215	10,64,248	Grand Total ...	10,23,033	41,215	10,64,248

N. B.—Last Capital Account detailed in the Administrative Accounts for 1914-15 and No. 6 in the Administrative Accounts for 1915-16.

Construction Estimate of the Hathmati Canal closed in 1883-84 and that of the Khári Cut Canal closed on 31st March 1893—*vide* Government Resolution No. 1411, dated 12th September 1893, *vide* also Government Resolution No. 2902 of 10th December 1903.

Completion Report of the Khári Cut Canal approved in Government Resolution No. 633 of 16th April 1894.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

HA'THMATI AND KHÁRI CUT CANALS.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1917-1918	10,64,820	Net revenue realized to end of 1917-1918.	1,64,119
		Do. during 1918-1919.	10,417
			1,74,536
Interest charges for the year 1918-1919	43,209	Balance net interest charges ...	9,33,493
Total ...	11,08,029	Total ...	11,08,029

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	825	.....	825
2. Leave and Pension Allowances	33,957	485	34,442
Total ...	34,782	485	35,267

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

LOWER PÁNJHRA RIVER WORKS.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	3,99,273	*13,262	4,12,535	1. Head Works ...	1,428	...	1,428
3. Sales of water ...	440	...	440	2. Main Canals and Branches	23,605	516	24,121
5. Plantations ...	21,233	250	23,296	3. Distributaries ...	9,358	...	9,358
6. Other Canal Produce		1,813		Total ...	34,391	516	34,907
9. Rents of Buildings.	37	8	45	II.—MAINTENANCE AND REPAIRS.			
10. Fines	503	...	503	1. Head Works ...	32,836	546	33,382
11. Miscellaneous Receipts	5,867	388	6,255	2. Main Canals and Branches	17,195	5	17,200
				3. Distributaries ...	70,951	691	71,642
				4. Drainage and Protective Works ...	2,728	...	2,728
Total ...	4,27,353	15,721	4,43,074	Total ...	1,23,710	1,242	1,24,952
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	2,12,088	2,784	2,14,872	1 & 2. Direction and Accounts	9,844	1,450	1,00,927
				3. Executive	89,633		
				Total ...	99,477	1,450	1,00,927
Total, Receipts ...	6,39,441	18,505	6,57,946	V.—TOOLS AND PLANT ...	2,607	51	2,658
				Profit and Loss	19	...	19
				VI.—REFUNDS OF REVENUE	3,896	...	3,896
				Suspense Account ...	140	...	140
				Total ...	2,64,240	3,259	2,67,499
				Share of Collection Charges in the Civil Department	55,144	1,369	56,513
				Indirect Charges debitable to Revenue Account as per Account No. 5	14,443	203	14,646
				Total Charges ...	3,33,827	4,831	3,38,658
				Balance Net Revenue ...	3,05,614	13,674	3,19,288
Grand Total ...	6,39,441	18,505	6,57,946	Grand Total ...	6,39,441	18,505	6,57,946

* Includes Rs. 23 adjusted by Journal Entry second batch.

N. B.—Last Capital Account detailed in the Administrative Accounts for 1898-99.
Construction Estimate closed on 31st March 1895—*vide* Government Resolution No. 148, dated 31st January 1896.
Completion Report approved in Government Resolution No 1392, dated 3rd October 1896,

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

LOWER PÁNJHRA RIVER WORKS.

TANK PROJECT.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1917-1918	7,97,007	Net revenue realized to end of 1917-1918	3,05,614
		Do. during 1918-1919 ...	13,674
			3,19,288
Interest charges for the year 1918-1919	15,507	Balance net interest charges	4,93,226
Total ...	8,12,514	Total ...	8,12,514

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	94	...	94
2. Leave and Pension Allowances	14,349	203	14,552
Total ...	14,443	203	14,646

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

KADWA RIVER WORKS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	5,32,522	41,039	5,73,561	I.—EXTENSIONS AND IMPROVEMENTS.			
3. Sales of water ...	448	7	455	1. Head Works ..	3,807	1,480	5,287
5. Plantations ...	22,742	...	25,281	2 Main Canals and Branches ...	5,487	5,000	10,487
6. Other Canal Produce ...		2,539		3. Distributaries ...	342	...	342
9. Rents of Buildings.	242	6	248	Total ...	9,636	6,480	16,116
10. Fines ...	645	22	667	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous receipts ...	6,601	613	7,214	1. Head Works ...	39,062	3,367	42,429
Total ...	5,63,200	44,226	6,07,426	2. Main Canals and Branches ...	1,33,445	4,868	1,38,313
				3. Distributaries ...	12,487	1,077	13,564
II.—INDIRECT RECEIPTS.							
				Total ...	1,84,994	9,312	1,94,306
Irrigation share of Land Revenue collected in the Civil Department.							
				IV.—ESTABLISHMENT.			
Enhanced Land Revenue as per Government Resolution No. 428, dated 6th August 1875.	25,539	594	26,133	1 & 2. Direction and Accounts ...	13,686	10,484	2,32,161
				3. Executive	2,07,991		
Total ...	25,539	594	26,133				
				Total ...	2,21,677	10,484	2,32,161
Total, Receipts ...	5,88,739	44,820	6,33,559	V.—TOOLS AND PLANT ...	5,313	339	5,652
Carried over ...	5,88,739	448,20	6,33,559	Carried over ...	4,21,620	26,615	4,48,235

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

KA'DWA RIVER WORKS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	5,88,739	44,820	6,33,559	Brought forward...	4,21,620	26,615	4,48,235
				VI.—REFUNDS OF REVENUE ...	429	...	429
				Total ...	4,22,049	26,615	4,48,664
				Share of Collection Charges in the Civil Department .	26,768	2,052	28,820
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	32,002	1,468	33,470
				Total, Charges ...	4,80,819	30,135	5,10,954
				Balance Net Revenue ...	1,07,920	14,685	1,22,605
Grand Total ...	5,88,739	44,820	6,33,559	Grand Total ...	5,88,739	44,820	6,33,559

Note.—Loss of revenue due to concessions granted for wheat cultivation during the Rabi season 1916-17, under Government Resolution No. A.I.—12327, dated 18th December 1917—Rs. 2,460.

N. B.—Last Capital Account detailed in the Administrative Accounts for 1910-11.
Construction Estimate closed on 31st March 1908—*vide* Government Resolution No. 2245, dated 25th August 1908.
Completion Report approved in Government Resolution No. 1041, dated 29th April 1910.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total interest charges to end of 1917-1918	11,44,300	Net revenue realized to end of 1917-1918	1,07,920
		Do. during 1918-1919.	14,685
			1,22,605
Interest charges for the year 1918-1919.	33,834	Balance net interest charges ...	10,55,529
Total ...	11,78,134	Total ...	11,78,134

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1917-1918.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	11	.....	11
2. Leave and Pension Allowances	31,991	1,468	33,459
Total ...	32,002	1,468	33,470

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

PRAVARA RIVER WORKS—LA'KH CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	58,981	1,450	60,431	1. Head Works ...	629	...	629
3. Sales of water ...	47	7	54				
5. Plantations ...	13,849	125	14,251	2. Main Canals and Branches ...	86	...	86
6. Other Canal Produce ...		277					
9. Rents of Buildings	85	1	86				
10. Fines	169	81	250	Total ...	715	...	715
11. Miscellaneous Receipts... ...	711	...	711	II.—MAINTENANCE AND REPAIRS.			
Total ...	73,842	1,941	75,783	1. Head Works ...	10,574	...	10,574
				2. Main Canals and Branches	1,37,629	1,535	1,39,164
				3. Distributaries ...	4,950	...	4,950
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	Total ...	1,53,153	1,535	1,54,688
Revenue from "Galper" land treated as Land Revenue —*vide* Government Resolution No. 1829, dated 23rd November 1893 ...	5,976	225	6,201	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	10,945	1,277	1,51,252
				3. Executive ...	1,39,020		
Total ...	5,976	225	6,201	Total ...	1,49,965	1,277	1,51,242
Total, Receipts ...	79,818	2,166	81,984	V.—TOOLS AND PLANT ...	2,801	33	2,834
Carried over ...	79,818	2,166	81,984	Carried over ...	3,06,634	2,845	3,09,479

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

PRAVARA RIVER WORKS—LÁKH CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	79,818	2,166	81,984	Brought forward ...	3,06,634	2,845	3,09,479
				VI.—REFUNDS OF REVENUE ...	116	...	116
				Total ...	3,06,750	2,845	3,09,595
				Share of Collection Charges in the Civil Department .	3,551	99	3,650
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	22,652	179	22,831
				Total, Charges ...	3,32,953	3,123	3,36,076
				Balance Net Revenue ...	-2,53,135	—957	-2,54,092
Grand Total ...	79,818	2,166	81,984	Grand Total ...	79,818	2,166	81,984

N.B.—Last Capital Account detailed in the Administrative Accounts for 1894-95.
Construction Estimate closed on 31st March 1894—*vide* Government Resolution No. 1707, dated 2nd November 1894.
Completion Report approved in Government Resolutions No. 87, dated 20th January 1896, and No. 1187, dated 17th August 1896.
Note.—Loss of Revenue due to concessions granted for wheat cultivation during the rabi season 1916-17, *vide* Government Resolution No. A. I. 12327, dated 18th December 1917, Rs. 250.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
		Net revenue realized to end of 1917-18...	—2,53,135
Total Interest charges to end of 1917-1918	6,69,077	Do. during 1918-19...	—957
			—2,54,092
Interest charges for the year 1918-1919	12,271	Balance net Interest charges ...	9,35,440
Total ...	6,81,348	Total ...	6,81,348

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	22,652	179	22,831

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TOBA TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1897.)	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
I.—Works.	Rs.	Rs.	Rs.	Rs.	Rs.
(1) *Head Works.*					
A. Preliminary Expenses	8,391	...	8,391	8,391	8,391
B. Land	3,53,177	...	3,53,177	3,53,177	3,53,177
C. Masonry Works	28,90,673	...	28,90,673	28,90,673	28,90,673
K. Buildings	17,287	...	17,287	17,287	17,287
M. Plantations	3,059	...	3,059	3,059	3,059
O. Miscellaneous	820	...	820	820	820
P. Maintenance	1,231	...	1,231	1,231	1,231
Total, Head Works ...	32,74,638	...	32,74,638	32,74,638	32,74,638
(2) *Main Canals and Branches.*					
A. Preliminary Expenses... ...	2,828	...	2,828	2,828	2,828
B. Land	1,26,843	...	1,26,843	1,26,843	1,26,843
C (*a*). Regulators	37,342	...	37,342	37,342	37,342
C (*c*). River and Hill Torrent Works...	5,21,670	...	5,21,670	5,21,670	5,21,670
C (*e*). Bridges	95,170	...	95,170	95,170	95,170
C (*f*). Escapes	18,120	...	18,120	18,120	18,120
J. Mills	56,415	...	56,415	56,415	56,415
K. Buildings	10,111	...	10,111	10,111	10,111
L. Earth-work	9,89,763	...	9,89,763	9,89,763	9,89,763
M. Plantations	16,011	...	16,011	16,011	16,011
O. Miscellaneous	1,868	...	1,868	1,868	1,868
P. Maintenance	4,566	...	4,566	4,566	4,566
Total, Main Canals and Branches ...	18,80,707	...	18,80,707	18,80,707	18,80,707
Carried over ...	51,55,345	...	51,55,345	51,55,345	51,55,345

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TOBA TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1897.)	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	51,55,345	...	51,55,345	51,55,345	51,55,345
(2) *Distributaries.*					
A. Preliminary Expenses	6,740	27	6,767	6,853	6,740
B. Land	5,666	...	5,666	5,666	5,666
C. Masonry Works	3,03,419	...	3,03,419	3,03,419	3,03,419
L. Earth-work	73,961	...	73,961	73,961	73,961
M. Plantations	407	...	407	407	407
O. Miscellaneous	8,01,559	...	8,01,559	8,01,559	8,01,559
Total, Distributaries ...	11,91,752	27	11,91,779	11,91,865	11,91,752
(4) *Drainage and Protective Works.*					
B. Land	7,328	...	7,328	7,328	7,328
L. Earth-work	1,188	...	1,188	1,188	1,198
Total, Drainage and Protective Works.	8,516	...	8,516	8,516	8,516
Adjustment of previous outlay as per footnote under this Account.	—8,04,394	—4,58,772	—12,63,166	—12,63,166	—12,63,166
Total, I.—Works ...	55,51,219	—4,58,745	50,92,474	50,92,560	50,92,447
II—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	2,81,634	6	11,43,506	11,43,671	2,81,634
3. Executive	8,61,866				8,61,866
4. Medical	146	...	146		146
Departmental charges as per footnote.	—56,131	—45,816	—1,01,947	—1,01,947	—1,01,947
Total, II.—Establishment ...	10,87,515	—45,810	10,41,705	10,41,724	10,41,699
III.—TOOLS AND PLANT	1,28,149	—9,862 1	1,18,288	1,18,289	1,18,287
IV.—SUSPENSE ACCOUNTS ...	—1,136	...	—1,136	—1,136	—1,136
Grand Total ...	67,65,747	—5,14,416	62,51,331	62,51,437	62,51,297
V.—*Less* Receipts on Capital Account.	12,328	...	12,328	12,328	12,328
Net Outlay ...	67,53,419	—5,14,416	62,39,003	62,39,109	62,38,969
Apportionment.					
Chargeable to—					
49.—Irrigation	57,98,412	—5,14,450	52,83,962	52,83,962	52,83,962
43.—Minor Works and Navigation.	18,15,032 —8,60,525	34	9,55,041	9,55,147	9,55,007
Total ...	67,53,419	—5,14,416	62,39,003	62,39,109	62,38,969

Note.—Owing to the separation of the account of the Poona Works from those of the Mutha Canal and the creation of the new Executive District called "Poona water works District" the following amounts have been credited to this Project as per Government of India (Public Works Department) letter No. 105 A.-I., dated 3rd February 1919, communicated in Government Resolution (Public Works Department) No. 5950, dated 26th May 1910.

	Works.	Establishment.	Tools and Plant.
	Rs.	Rs.	Rs.
Adjustment carried out though the accounts under the head "49, Irrigation Works"	—4,58,772	—45,816	—9,862
Adjustment carried out through the previous column of the Administrative Accounts on account of the full cost of two steam engines, centrifugal pumps and Paterson filter plant	—2,43,081	...	...
Adjustment carried out through the previous column of the Administrative account on account of the balance of the outlay debited to "43" with 10 per cent. extra for departmental charges	—5,61,313	—56 131	...
Total ...	—12,63,166	—1,01,947	—9,862

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPATMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TOBA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total. Previous.	1918-1919.	Total.	Charges.	Total. Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	59,80,914	80,500	60,61,414	1. Head Works ...	27,760	2,517	30,277
3. Sales of water ...	1,06,931	2,079	1,09,010	2. Main Canals and Branches ...	32,656	2,337	34,993
4. Water-supply of towns ...	46,15,950	2,55,812	48,71,762	3. Distributaries ...	79,505	3,624	83,129
5. Plantations ...	1,31,959	2,698	1,35,851	4. Drainage and Protective Works ...	4,671	193	4,864
6. Other canal produce ...		1,194		Total ...	1,44,592	8,671	1,53,263
7. Water power ...	64,800	...	64,800				
8. Navigation ...	30	403	433	II.—MAINTENANCE AND REPAIRS.			
9. Rents of buildings	5,070	118	5,188	1. Head Works ...	1,23,476	6,418	1,29,894
10. Fines ...	172	1,974	2,146	2. Main Canals and Branches ...	7,04,181	27,702	7,31,883
11. Miscellaneous receipts ...	2,01,829	11,219	2,13,048	3. Distributaries ...	9,99,945	69,182	10,69,127
Total ...	1,11,07,655	3,55,997	1,14,63,652	4. Drainage and Protective Works ...	179	...	179
				Total ...	18,27,781	1,03,302	19,31,083
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	III.—COMPENSATION ...	494	...	494
Irrigation share on account of percolation from the Canal —*vide* Government Resolutions Nos. 1159 and 1539, dated, respectively 21st July and 29th September 1892 ...	1,008	(*a*) 155	1,163	IV.—ESTABLISHMENT.			
Total ...	1,008	155	1,163	1 & 2. Direction and Accounts.	1,22,930	83,753	14,55,072
Total, Receipts ...	1,11,08,663	3,56,152	1,14,64,815	3. Executive ...	12,48,389		
				Total ...	13,71,319	83,753	14,55,072
				V.—TOOLS AND PLANT ...	1,53,803	2,407	1,56,210
Carried over ...	1,11,08,663	3,56,152	1,14,64,815	Carried over ...	34,97,989	1,98,133	36,91,122

(*a*) For the years 1916-17 and 1917-18 and 1918-19.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TOBA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	1,11,08,663	3,56,152	1,14,64,815	Brought forward ...	34,97,989	1,98,133	36,96,122
				VI.—REFUNDS OF REVENUE .	22,277	172	22,449
				Suspense Account ...	...	—1,408	—1,408
				Total ...	35,20,266	1,96,897	37,17,163
				Share of Collection Charges in the Civil Department .	2,96,452	3,788	3,00,240
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	1,96,787	11,725	2,08,512
				Total, Charges ...	40,13,505	2,12,410	42,25,915
				Balance Net Revenue ...	70,95,158	1 43,742	72,38,900
Grand Total ...	1,11,08,663	3,56,152	1,14,64,815	Grand Total ...	1,11,08,663	3,56,152	1,14,64,815

N.B.—Construction Estimate of the Mutha Canal closed on 31st March 1897—*vide* Government Resolution No. 710, dated 13th May 1897; and that of the Mátoba Tank on 31st March 1892—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report of the Mutha Canal approved in Government Resolution No. 2241 of 30th October 1901 and that of the Mátoba Tank in Government Resolution No. 827 of 17th May 1894.

Note.—Loss of revenue due to concessions granted for wheat cultivation during the Rabi season 1916-17, *vide* Government Resolution No. A.I.—12327, dated 18th December 1917, Rs. 2,665.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1917-1918	1,10,20,650	Net revenue realized to end of 1917-1918	70,95,158
Interest charges for the year 1918-1919.	2,26,185	Do. during 1918-1919.	1,43,742
			72,38,900
		Balance net Interest charges ...	40,07,935
Total ...	1,12,46,835	Total ...	1,12,46,835

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

MUTHA CANALS INCLUDING MA'TOBA TANK.

TANK PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1917-1918.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	93,528	.....	93,528
2. Leave and Pension Allowances	2,08,026	(a) 1 —6,414	2,01,613
Total ...	3,01,554	—6,413	2,95,141
REVENUE—			
2. Leave and Pension Allowances	1,96,787	11,725	2,08,512

(a) *Vide* footnote under No. 2 Account.

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	54,32,020	—3,39,573	50,92,447	27	113	86	50,92,474	
Establishment ...	10,12,260	29,439	10,41,699	6	25	19	10,41,705	
Tools and Plant ...	1,19,987	—1,700	1,18,287	1	2	1	1,18,289	
Suspense Accounts ...	...	—1,136	—1,136	...	...	...	—1,136	
Total ...	65,64,267	—3,12,970	62,51,297	34	140	106	62,51,331	
Less—Receipts on Capital Account ...	12,234	94	12,328	...	...	...	12,328	
Net Total ...	65,52,033	—3,13,064	62,38,969	34	140	106	62,39,003	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	58,776	34,752	93,528	...	...	...	93,528	
Leave and Pension Allowances... ...	1,89,546	12,066	2,01,612	1	4	3	2,01,613	
Total ...	2,48,322	46,818	2,95,140	1	4	3	2,95,141	
Grand Total ...	68,00,355	—2,66,246	65,34,109	35	144	109	65,34,144	

Rs. 144

Government Order No. W.I.-11541 (Public Works Department, dated 28th November 1918.)

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

EKRUK TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.							
1. Water-rates from Irrigation ...	6,18,265	31,152	6,49,417	I.—EXTENSIONS AND IMPROVEMENTS.			
3. Sales of water ...	3,53,122	76,726	4,29,848				
4. Water-supply of towns... ...	2,66,390	...	2,66,390	1. Head Works	5,052	44	5,096
5. Plantations ...	1,69,430	1,153	1,75,317	2. Main Canals and Branches	44,494	337	44,831
6. Other Canal produce ...		4,734		3. Distributaries	1,075	...	1,075
9. Rents of Buildings	354	5	359				
11. Miscellaneous Receipts ...	27,692	1,294	28,986	Total ...	50,621	381	51,002
Total ...	14,35,253	1,15,064	15,50,317	II.—MAINTENANCE AND REPAIRS.			
II.—INDIRECT RECEIPTS.				1. Head Works	90,778	3,792	94,570
				2. Main Canals and Branches	2,56,084	6,757	2,62,841
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	3. Distributaries	5,922	—587	5,335
				Total ...	3,52,784	9,962	3,62,746
				III.—COMPENSATION ...	69	...	69
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	30,628	5,227	2,56,807
				3. Executive	2,20,952		
				Total ...	2,51,580	5,227	2,56,807
				V.—TOOLS AND PLANT ...	7,120	301	7,421
Carried over ...	14,35,253	1,15,064	15,50,317	Carried over ...	6,62,174	15,871	6,78,045

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

EKRUK TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	14,35,253	1,15,064	15,50,317	Brought forward ...	6,62,174	15,871	6,78,045
				VI.—REFUNDS OF REVENUE.	1,157	...	1,157
				Suspense Account ...	—71	...	—71
				Total ...	6,63,260	15,871	6,79,131
				Share of Collection Charges in the Civil Department...	34,673	5,391	40,064
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	39,197	732	39,929
				Total Charges ...	7,37,130	21,994	7,59,124
				Balance Net Revenue ...	6,98,123	93,070	7,91,193
Grand Total ...	14,35,253	1,15,064	15,50,317	Grand Total ...	14,35,253	1,15,064	15,50,317

N.B.—Last Capital Account detailed in the Administrative Accounts for 1895-1896.
Construction Estimate closed on 31st March 1891—*vide* Government Resolution No. 1253, dated 28th July 1891.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1917-1918	22,68,265	Net revenue realized to end of 1917-1918	6,98,123
Interest charges for the year 1918-1919.	42,761	Do. during 1918-1919.	93,070
			7,91,193
		Balance net Interest charges ...	15,19,833
Total ...	23,11,026	Total ...	23,11,026

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances...	39,197	732	39,929

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

KRISHNA CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1892).	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
A. Preliminary Expenses ...	633	...	633	633	633
C. Works	2,04,990	...	2,04,990	2,07,072	1,45,889
K. Buildings	1,430	...	1,430	1,430	1,430
Total, Head Works ...	2,07,053	...	2,07,053	2,09,135	1,47,952
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses ...	1,649	...	1,649	1,649	1,649
B. Land	16,740	...	16,740	16,740	16,740
F. River and Hill Torrent Works ...	1,95,671	...	1,95,671	1,95,671	1,95,671
G. Bridges	32,208	...	32,208	32,208	32,208
K. Buildings	12,100	...	12,100	12,100	12,100
L. Earth-work	2,32,717	...	2,32,717	2,32,717	2,32,717
M. Plantations	882	...	882	882	882
O. Miscellaneous	513	...	513	513	513
P. Maintenance	3,423	...	3,423	3,423	3,423
Total, Main Canals and Branches ...	4,95,903	...	4,95,903	4,95,903	4,95,903
(3)—*Distributaries.*					
B. Land	562	...	562	562	562
C. Works	16,279	...	16,279	16,279	16,279
L. Earth-work	12,442	...	12,442	12,442	12,442
M. Plantations	2,897	...	2,897	2,897	2,897
Total, Distributaries ...	32,180	...	32,180	32,180	32,180
Total, I.—Works ...	7,35,136	...	7,35,136	7,37,218	6,76,035
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	36,686	...	36,686	} 1,55,459	{ 33,980
3. Executive	1,18,587	...	1,18,587		{ 1,08,540
Total, Establishment ...	1,55,273	...	1,55,273	1,55,459	1,42,520
III.—TOOLS AND PLANT	2,568	...	2,568	2,585	1,682
Grand Total ...	8,92,977	...	8,92,977	8,95,262	8,20,237
V.—*Less*—Receipts on Capital Account.	.....	...	.....	.....	.....
Net Outlay ...	8,92,977	...	8,92,977	8,95,262	8,20,237
Apportionment.					
Chargeable to 49.—Irrigation ...	8,18,545	...	8,18,545	8,18,545	8,18,545
Chargeable to 43.—Minor Works and Navigation	74,432	...	74,432	74,432	74,432
Total ...	8,92,977	...	8,92,977	8,92,977	8,92,977

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

KRISHNA CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	16,64,807	29,783	16,95,258	1. Head Works	1,789	88	1,877
		(a)668		2. Main Canals and Branches	4,841	...	4,841
3. Sales of water...	66	...	66	3. Distributaries... ...	565	...	565
4. Water-supply of towns ...	6,232	...	6,232				
5. Plantations ...	85,067	464	85,531	Total ...	7,195	88	7,283
6. Other Canal produce ...							
9. Rents of Buildings	2,644	119	2,763				
11. Miscellaneous Receipts ...	396	8	404	II.—MAINTENANCE AND REPAIRS.			
				1. Head Works	15,342	81	15,423
Total ...	17,59,212	31,042	17,90,254	2. Main Canals and Branches	3,21,764	7,405	3,29,169
				3. Distributaries... ...	25,012	...	25,012
				4. Drainage and Protective Works ...	395	...	395
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	Total ...	3,62,513	7,486	3,69,999
				III.—COMPENSATION ...	19,819	(a) 252	20,071
Total, Receipts ...	17,59,212	31,042	17,90,254				
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	17,181	5,068	2,37,442
				3. Executive	2,15,193		
				Total ...	2,32,374	5,068	2,37,442
				V.—TOOLS AND PLANT ...	5,186	181	5,367
Carried over ...	17,59,212	31,042	17,90,254	Carried over ...	6,27,087	13,075	6,40,162

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

KRISHNA CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total. Previous.	1918-1919.	Total.	Charges.	Total. Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	17,59,212	31,042	17,90,254	Brought forward ...	6,27,087	13,075	6,40,162
(a) Amount adjusted by credit to water-rates and debit *per contra* on account of the following charges recovered by the Native States from water-rate collection :—				VI.—REFUNDS OF REVENUE.	1,618	14	1,632
Loss of assessments on account of land taken up for the Canals, debited to III—Compensation— Rs.				Total ...	6,28,705	13,089	6,41,794
Sangli State ... 252				Share of Collection Charges in the Civil Department .	1,03,903	1,236 (a)416	1,05,555
Pant Pratinidhi ...							
252				Indirect charges debitable to Revenue Account as per Account No. 5 ...	38,381	710	39,091
Collection charges— Rs.							
Pant Pratinidhi— For recovery of water-rates . 51				Total, Charges ...	7,70,989	15,451	7,86,440
Sangli State— For recovery of water-rates . 365				Balance Net Revenue ...	9,88,223	15,591	10,03,814
416							
Total ... 668							
Grand Total ...	17,59,212	31,042	17,90,254	Grand Total ...	17,59,212	31,042	17,90,254

N.B.—Construction Estimate closed on 31st March 1892, *vide* Government Resolution No. 777, dated 14th May 1892. Completion Report approved in Government Resolution No. 119, dated 22nd January 1894.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1917-1918	15,89,533	Net revenue realized to end of 1917-1918	9,88,223
Interest charges for the year 1918-1919 .	31,092	Do. during 1918-1919.	15,591
			10,03,814
		Balance net Interest charges	6,16,811
Total ...	16,20,625	Total ...	16,20,625

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized abatement of Land Revenue	21,822	.....	21,822
2. Leave and Pension Allowances	29,660	.....	29,660
Total ...	51,482	.....	51,482

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

49.—IRRIGATION WORKS.

KRISHNA CANAL.

CANAL PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919—continued.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	64	.....	64
2. Leave and Pension Allowances	38,317	710	39,027
Total ...	38,381	710	39,091

No. 6.—Statement comparing Charges to date with sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	REMARKS.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	6,60,941	15,094	6,76,035	59,101	61,183	2,082	7,35,136	Estimate sanctioned in Government of India, Public Works Department, No. 833-I., dated 30th March 1916, communicated in Government Order No. W.I.-4725 (Public Works Department), dated 4th May 1916.
Establishment ...	1,39,464	3,056	1,42,520	12,753	12,939	186	1,55,273	
Tools and Plant ...	1,682	...	1,682	886	903	17	2,568	
Suspense Accounts ...	...	...	...	...	...	...	...	
Total ...	8,02,087	18,150	8,20,237	72,740	75,025	2,285	8,92,977	
Less—Receipts on Capital Account ...	...	...	...	...	...	...	...	
Net Total ...	8,02,087	18,150	8,20,237	72,740	75,025	2,285	8,92,977	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	17,222	4,600	21,822	...	...	...	21,822	
Leave and Pension Allowances ...	27,446	428	27,874	1,786	1,811	25	29,660	
Total ...	44,668	5,028	49,696	1,786	1,811	25	51,482	
Grand Total ...	8,46,755	23,178	8,69,933	74,526	76,836	2,310	9,44,459	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

SUKKUR CANAL.

CANAL PROJECT.

No. 2—Capital Account for, and to end of, 1918-1919.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimate closed on 31st March 1886.	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1) *Head Works.*					
C. Works	2,12,211	...	2,12,211	2,12,211	2,12,211
K. Buildings	3,603	...	3,603	3,603	3,603
Total Head Works ..	2,15,814	...	2,15,814	2,15,814	2,15,814
(2) *Main Canals and Branches.*					
B. Land	13,170	...	13,170	13,170	13,170
D. Regulators	26,124	9,624	35,748	35,748	35,748
E. Falls and Weirs	14,449	...	14,449	14,449	14,449
F(1). Other cross drainage works ...	12,709	...	12,709	12,709	12,709
G. Bridges	75,347	...	75,347	75,347	75,347
K. Buildings	16,336	...	16,336	16,336	16,336
L. Earth-Work	6,84,459	...	6,84,459	6,84,459	6,84,459
M. Plantations	10,740	...	10,740	10,740	10,740
O. Miscellance	1,166	...	1,166	1,166	1,166
Total Main Canals and Branches ...	8,54,500	9,624	8,64,124	8,64,124	8,64,124
(3) *Distributaries.*					
C. Works	63,146	...	63,146	63,146	63,146
L. Earth-work	3,861	...	3,861	3,861	3,861
O. Miscellaneous	2,205	...	2,205	2,205	2,205
Total Distributaries ...	69,212	...	69,212	69,212	69,212
Total, I.—Works ...	11,39,526	9,624	11,49,150	11,49,150	11,49,150
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts ...	31,966	1,893	2,13,361	2,13,361	2.13,361
3. Executive	1,79,502				
Total Establishment ...	2,11,468	1,893	2,13,361	2,13,361	2,13,361
III.—TOOLS AND PLANT.	13,920	—219	13,701	13,701	13,701
Grand Total ...	13,64,914	11,298	13,76,212	13,76,212	13,76,212
V.—*Less* Receipts on Capital Account...	160	...	160	160	160
Net Outlay ...	13,64,754	11,298	13,76,052	13,76,052	13,76,052
Apportionment.					
Chargeable to 43.—Minor Works and Navigation	13,45,621	11,298	13,56,919	13,76,052	13,76,052
Local Funds	19,133	...	19,133		
Total ...	13,64,754	11,298	13,76,052	13,76,052	13,76,052

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

SUKKUR CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	43,602	1,318	44,920				
5. Plantations ...	21,960	...	24,986	1. Head Works ...	15,425	...	15,425
6. Other canal produce		3,026		2. Main Canals and Branches ...	1,36,368	2,471	1,38,839
9. Rents of Buildings.	4,491	4	4,495				
10. Fines	6,874	44	6,918	3. Distributaries ...	863	...	863
11. Miscellaneous Receipts	34,182	959	35,141				
Total ...	1,11,109	5,351	1,16,460	Total ...	1,52,656	2,471	1,55,127
II.—INDIRECT RECEIPTS.				II.—MAINTENANCE AND REPAIRS.			
Irrigation share of Land Revenue collected in the Civil Department.	54,95,214	83,896	55,79,110	1. Head Works ...	6,627	...	6,627
				2. Main Canals and Branches ...	15,55,843	48,693	16,04,536
4 per cent. on $\frac{2}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889...	18,064	848	18,912	Total ...	15,62,470	48,693	16,11,163
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	98,266	10,102	4,75,246
				3. Executive	3,66,878		
Total ...	55,13,278	84,744	55,98,022	Total ...	4,65,144	10,102	4,75,246
Total, Receipts ...	56,24,387	90,095	57,14,482	V.—TOOLS AND PLANT ...	19,684	—1,256	18,428
Carried over ...	56,24,387	90,095	57,14,482	Carried over ...	21,99,954	60,010	22,59,964

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

SUKKUR CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1917-1918.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	56,24,387	90,095	57,14,482	Brought forward ...	21,99,954	60,010	22,59,964
				VI.—REFUNDS OF REVENUE	119	...	119
				Total ...	22,00,073	60,010	22,60,083
Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India Letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883 :— Rs. To end of 1917-1918. 2,47,899 Loss for 1918-1919 ... 2,793 Total ... 2,50,692				Share of Collection Charges in the Civil Department	4,00,250	5,115	4,14,365
				Indirect Charges debitable to Revenue Account as per Account No. 5	74,005	1,414	75,419
				Total, Charges ...	26,83,328	66,539	27,49,867
				Balance Net Revenue ...	29,41,059	23,556	29,64,615
Grand Total ...	56,24,387	90,095	57,14,482	Grand Total ...	56,24,387	90,095	57,14,482

N. B.—Construction Estimate Closed on 31st March 1896—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 569, dated 27th March 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	20,466	.....	20,466
2. Leave and Pension Allowances	41,030	265	41,295
Total ...	61,496	265	61,761
REVENUE—			
1. Capitalized Abatement of Land Revenue	3,101	.....	3,101
2. Leave and Pension Allowances	70,904	1,414	72,318
Total ...	74,005	1,414	75,419

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

SUKKAR CANAL.

CANAL PROJECT.

No. 6—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	CHARGES AGAINST CLOSED SANCTIONS.			CURRENT SANCTIONS.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.	
Works ...	11,09,106	40,044	11,49,150	...	...	...	11,49,150	
Establishment ...	2,05,471	7,890	2,13,361	...	...	...	2,13,361	
Tools and Plant ...	13,330	371	13,701	...	...	...	13,701	
Total ...	13,27,907	48,305	13,76,212	...	...	...	13,76,212	
Less—Receipts on Capital Account ...	160	...	160	...	...	...	160	
Total ...	13,27,747	48,305	13,76,052	...	...	...	13,76,052	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	19,775	691	20,466	...	...	...	20,466	
Leave and Pension Allowances ...	40,191	1,104	41,295	...	...	...	41,295	
Total ...	59,966	1,795	61,761	...	...	...	61,761	
Grand Total ...	13,87,713	*50,100	14,37,813	...	...	...	14,37,813	

* Includes expenditure incurred during the year 1918-19, Direct charges Rs. 11,298 and Indirect Rs. 265, against the estimate of Rs. 17,449, Direct and Indirect sanctioned in Government Resolution (Public Works Department) No. 7908, dated 10th August 1918.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

Gha'r Canal.

Canal Project.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—Direct Receipts.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	2,53,346	1,734	2,55,080	I.—Extensions and Improvements.			
5. Plantations ...	68,876	225	75,192	1. Head Works ...	1,407	...	1,407
6. Other canal produce		6,091		2. Main Canals and Branches	3,81,802	6,941	3,88,743
9. Rents of Buildings.	21,988	1,418	23,406	3. Distributaries ...	12,796	...	12,796
10. Fines	20,146	187	20,333				
11. Miscellaneous Receipts	2,00,935	4,340	2,05,275	Total ...	3,96,005	6,941	4,02,946
Total ...	5,65,291	13,995	5,79,286				
II.—Indirect Receipts.							
Irrigation share of Land Revenue collected in the Civil Department.	2,97,77,004	5,99,955	3,03,76,959	II.—Maintenance and Repairs.			
4 per cent. on $\frac{9}{16}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889 .	1,40,998	7,609	1,48,607	2. Main Canals and Branches ...	41,98,944	1,09,836	43,08,780
				3. Distributaries ...	15,675	...	15,675
				Total ...	42,14,619	1,09,836	43,24,455
Total ...	2,99,18,002	6,07,564	3,05,25,566	III.—Compensation.	108	...	108
Total, Receipts ...	3,04,83,293	6,21,559	3,11,04,852	IV.—Establishment.			
				1 & 2. Direction and Accounts ...	2,42,410	22,793	12,70,270
				3. Executive ...	10,05,067		
				Total ...	12,47,477	22,793	12,70,270
				V.—Tools and Plant ...	13,282	—2,753	10,529
Carried over ...	3,04,83,293	6,21,559	3,11,04,852	Carried over ...	58,71,491	1,36,817	60,08,308

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

GHA'R CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total. Previous.	1918-1919.	Total.	Charges.	Total. Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	3,04,83,293	6,21,559	3,11,04,852	Brought forward ...	58,71,491	1,36,817	60,08,308
				VI.—REFUNDS OF REVENUE	184	...	184
				Suspense Account ...	...	34	34
				Total ...	58,71,675	1,36,851	60,08,526
				Share of Collection Charges in the Civil Department	24,17,505	36,114	24,53,619
				Indirect Charges debitable to Revenue Account as per Account No. 5	2,06,439	3,200	2,09,639
				Total, Charges ...	84,95,619	1,76,165	86,71,784
				Balance Net Revenue ...	2,19,87,674	4,45,394	2,24,33,068
Grand Total ...	3,04,83,293	6,21,559	3,11,04,852	Grand Total ...	3,04,83,293	6,21,559	3,11,04,852

Note.—Loss to the canal on account of difference between assessment of water-rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883 :—

	Rs.
To end of 1917-1918.	12,37,960
Loss for 1918-1919...	20,254
Total. ...	12,58,214

N.B.—Last Capital Account detailed in the Administrative Accounts for 1914-15. Construction Estimate closed on 31st March 1879—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 927, dated 11th June 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	16,036	9	16,045
2. Leave and Pension Allowances	1,90,403	3,191	1,93,594
Total ...	2,06,439	3,200	2,09,639

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

SUTTAH CANAL.

CANAL PROJECT.

No 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation	320	9	329				
5. Plantations	58	...	58	2. Main Canals and Branches . Average expenditure before	3,479	1,800	5,279
6. Other canal produce ...	1,178	2	1,180	Improvements	—27,916	—1,934	—29,910
10. Fines	159	...	159				
11. Miscellaneous Receipts ...	—119	—40	—159				
Total ...	1,596	—29	1,567	Total ...	—24,437	—194	—24,631
II.—INDIRECT RECEIPTS.				II.—MAINTENANCE AND REPAIRS.			
Irrigation share of Land Revenue collected in the Civil Department	1,57,420	13,873	1,71,293	2. Main Canals and Branches	1,30,068	5,475	1,35,543
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889.	5,975	808	6,783	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts.	2,803	666	10,492
				3. Executive	7,023		
Total ...	1,63,395	14,681	1,78,076	Total ...	9,826	666	10,492
Total, Receipts ...	1,64,991	14,652	1,79,643	V.—TOOLS AND PLANT ...	—28	—272	—300
				Total ...	1,15,429	5,675	1,21,104
				Share of Collection Charges in the Civil Department ...	9,313	831	10,144
				Indirect Charges debitable to Revenue Account as per Account No. 5	1,376	93	1,469
				Total, Charges ...	1,26,118	6,599	1,32,717
				Balance Net Revenue ...	38,873	8,053	46,926
Grand Total ...	1,64,991	14,652	1,79,643	Grand Total ...	1,64,991	14,652	1,79,643

Note.—Loss to the canal on account of difference between assessment of water-rates on jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883 :—

	Rs.
To end of 1917-1918	3,919
Loss for 1918-1919	318
Total ...	4,237

N.B.—Last Capital Account detailed in the Administrative Accounts for 1912-1913. Construction Estimate closed on 31st March 1910—*vide* Government Resolution No. 299, dated 5th February 1910. Completion Report approved in Government Resolution No. 950, dated 9th May 1911.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	1,376	93	1,469

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

ALIBHAR KACHERI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	24,198	921	25,119				
5. Plantations ...	3,803	...	3,910	2. Main Canals and Branches	5,316	...	5,316
6. Other canal produce		107					
10. Fines	129	...	129				
11. Miscellaneous Receipts... ...	3,433	240	3,673	4. Drainage and Protective Works ...	245	...	245
Total ...	31,563	1,268	32,831	Total ...	5,561	...	5,561
II.—INDIRECT RECEIPTS.				II.—MAINTENANCE AND REPAIRS.			
Irrigation share of Land Revenue collected in the Civil Department.	2,86,290	2,936	2,89,226	2. Main Canals and Branches	24,366	—3,153	21,213
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A.I., dated, respectively, 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	17,288	840	18,128	3. Distributaries ..	12,672	...	12,672
				Total ...	37,038	—3,153	33,885
				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	9,391	—440	22,018
				3. Executive	13,067		
Total ...	3,03,578	3,776	3,07,354	Total ...	22,458	—440	22,018
Total, Receipts ...	3,35,141	5,044	3,40,185	V.—TOOLS AND PLANT...	832	25	857
				VI.—REFUNDS OF REVENUE	19	...	19
				Total ...	65,908	—3 568	62,340
Note.—Loss to the canal on account of difference between assessment of water-rates on jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883:—				Share of Collection Charges in the Civil Department	24,477	231	24,708
				Indirect Charges debitable to Revenue Account as per Account No. 5	3,706	—62	3,644
Rs.							
To end of 1917-1918...1,14,687							
Loss for 1918-1919 ... 2,729							
Total ... 1,17,416				Total, Charges ...	94,091	—3,399	90,692
				Balance Net Revenue ...	2,41,050	8,443	2,49,493
Grand Total ...	3,35,141	5,044	3,40,185	Grand Total ...	3,35,141	5,044	3,40,185

N.B.—Last Capital Account detailed in the Administrative Accounts for 1877-78. Construction Estimate closed on 31st March 1876—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1229, dated 1st August 1894.

No. 5.—Account of Indirect Charges for and to end of, 1918-1919.

Particulars.	Previous.	1917-1918.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	3,706	—62	3,644

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORK DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

MARAK GREAT CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimated closed on 31st March 1882.)	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
I.—Works.	Rs.	Rs.	Rs.	Rs.	Rs.
(2)—*Main Canals and Branches.*					
B. Land	1,062	...	1,062	735	100
D. Regulators	32,923	46,690	79,613	1,13,802	16,537
G. Bridges	929	...	929	929	929
K. Buildings	2,775	19,258	22,033	30,081	...
L. Earth-work	1,53,063	...	1,53,063	1,53,063	1,53,063
Total, Main Canals and Branches ...	1,90,752	65,948	2,56,700	2,98,610	1,70,629
Total I.—Works ...	1,90,752	65,948	2,56,700	2,98,610	1,70,629
II.—Establishment.					
1 & 2. Direction and Accounts ...	13,160	20,942	60,321	62,654	12,301
3. Executive	26,219				22,974
Total, Establishment ...	39,379	20,942	60,321	62,654	35,275
III.—Tools and Plant ...	1,899	588	2,487	3,522	1,612
Grand Total ...	2,32,030	87,478	3,19,508	3,64,786	2,07,516
V.—*Less* Receipts on Capital Account ...	80	...	80	80	80
Net Outlay ...	2,31,950	87,478	3,19,428	3,64,706	2,07,436
Apportionment.					
Chargeable to 43—Minor Works and Navigation	2,31,950	87,478	3,19,428	3,64,706	2,07,436

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

MA'RAK GREAT CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	1,15,966	2,819	1,18,785				
3. Sales of water ...	15	...	15	2. Main Canals and Branches	43,515	813	44,328
5. Plantations ...	20,531	...	22,565				
6. Other canal produce.		2,034		II.—MAINTENANCE AND REPAIRS.			
8. Navigation ...	124	...	124				
9. Rents of Buildings.	143	...	143	1. Head Works ...	3,416	...	3,416
10. Fines	2,395	...	2,395				
11. Miscellaneous Receipts	13,809	345	14,154	2. Main Canals and Branches	4,66,305	14,144	4,80,449
Total ...	1,52,983	5,198	1,58,181	Total ...	4,69,721	14,144	4,83,865
II.—INDIRECT RECEIPTS				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	30,11,174	98,111	31,09,285				
4 per cent. on $\frac{9}{10}$ ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated respectively 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	58,926	3,406	62,332	1 & 2. Direction and Accounts	29,892	6,144	2,06,318
				3. Executive	1,70,282		
Total ...	30,70,100	1,01,517	31,71,617	Total ...	2,00,174	6,144	2,06,318
				V.—TOOLS AND PLANT ...	3,810	258	4,068
				VI.—REFUNDS OF REVENUE ...	40	...	40
Total Receipts ...	32,23,083	1,06,715	33,29,798	Total ...	7,17,260	21,359	7,38,619
Note.—Loss to the canal on account of difference between assessment of water-rates on jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883 :— Rs. To end of 1917-1918 6,62,289 Loss for 1918-1919 ... 14,106 Total. ... 6,76,395				Share of Collection Charges in the Civil Department	2,35,388	6,056	2,41,444
				Indirect Charges debitable to Revenue Account as per Account No. 5	30,098	860	30,958
				Total, Charges ...	9,82,746	28,275	10,11,021
				Balance Net Revenue ...	22,40,337	78,440	23,18,777
Grand Total ...	32,23,083	1,06,715	33,29,798	Grand Total ...	32,23,083	1,06,715	33,29,798

N.B.—Construction Estimate closed on 31st March 1882—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1229, dated 1st August 1894.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

Marak Great Canal.

Canal Project.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized Abatement of Land Revenue	1,554	.....	1,554
2. Leave and Pension Allowances	7,476	2,932	10,408
Total ...	9,030	2,932	11,962
REVENUE—			
1. Capitalized Abatement of Land Revenue	772	.....	772
2. Leave and Pension Allowances	29,326	860	30,186
Total ...	30,098	860	30,958

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against Closed Sanction.			Currrent Sanctions.			Total charges to date against old and current sanctions.	Remarks.
	Expenditure against construction estimate.	Expenditure against open capital sanctions.	Total.	Charges to date	Amount of sanctioned estimate.	Unspent balance of estimate.		
Direct Charges.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works	1,59,516	11,113	1,70,629	86,071	1,27,981	41,910	2,56,700	Government Resolution (Public Works Department) No. 5894, dated 12th June 1917.
Establishment ...	32,719	2,556	35,275	25,046	27,379	2,333	60,321	
Tools and Plant ...	1,445	167	1,612	875	1,910	1,035	2,487	
Total ...	1,93,680	13,836	2,07,516	1,11,992	1,57,270	45,278	3,19,508	
Less—Receipts on Capital Account.	80	...	80	...	...	...	80	
Net Total ...	1,93,600	13,836	2,07,436	1,11,992	1,57,270	45,278	3,19,42	
Indirect Charges.								
Capitalized Abatement of Land Revenue ...	942	467	1,409	145	159	14	1,554	
Leave and Pension Allowances ...	6,544	357	6,901	3,507	3,833	326	10,408	
Total ...	7,486	824	8,310	3,652	3,992	340	11,962	
Grand Total ...	2,01,085	14,660	2,15,746	1,15,644	1,61,262	45,618	3,31,390	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

SARFRAZWA'H CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918 1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	72,574	1,170	73,744				
5. Plantations... ...	19,945	...	21,469	2. Main Canals and Branches	41,306	...	41,306
6. Other canal produce .		1,524					
8. Navigation	45	17	62				
9. Rents of buildings .	7	...	7				
10. Fines	174	153	327	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous Receipts... ...	6,979	421	7,400				
Total ...	99,724	3,285	1,03,009	2. Main Canals and Branches	3,26,020	8,721	3,34,741
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department	10,64,294	25,376	10,89,670	4. Drainage and Protective Works ...	6,778	...	6,778
				Total ...	3,32,798	8,721	3,41,519
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58 A. I., dated respectively 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	28,131	1,294	29,425	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	26,468	3,004	1,23,672
				3. Executive	94,200		
				Total ...	1,20,668	3,004	1,23,672
Total ...	10,92,425	26,670	11,19,095	V.—TOOLS AND PLANT...	1,828	118	1,946
Total, Receipts ...	11,92,149	29,955	12,22,104	VI.—REFUNDS OF REVENUE	4	...	4
				Total ...	4,96,604	11,843	5,08,447
Note.—Loss to the canal on account of difference between assessment of water-rates on jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				Share of Collection Charges in the Civil Department	83,951	1,601	85,552
				Indirect Charges debitable to Revenue Account as per Account No. 5	19,586	421	20,007
Rs.							
To end of 1917-1918...3,53,419							
Loss for 1918-1919 ... 3,895							
Total... 3,57,314				Total, Charges ...	6,00,141	13,865	6,14,006
				Balance Net Revenue ...	5,92,008	16,090	6,08,098
Grand Total ...	11,92,149	29,955	12,22,104	Grand Total ...	11,92,149	29,955	12,22,104

N.B.—Last Capital Account detailed in the Administrative Accounts for 1881-82. Construction Estimate closed on 31st March 1876 *vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1229, dated 1st August 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	1,278	.....	1,278
2. Leave and Pension Allowances	18,308	421	18,729
Total ...	19,586	421	20,007

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

FULELI CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919

Heads of Account.	Direct Charges.			Cost of construction as now estimated. (Construction estimates closed on 31st March 1893.)	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
C. Works	66,278	...	66,278	66,278	66,278
K. Buildings	4,012	...	4,012	4,012	4,012
Total, Head Works ...	70,290	...	70,290	70,290	70,290
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses ...	43,303	...	43,303	43,303	43,303
B. Land	4,616	2,840	7,456	7,456	7,456
D. Regulators	2,13,773	...	2,13,773	2,13,773	2,13,773
G. Bridges	36,382	610	36,992	36,992	36,992
H. Escapes	2,44,313	...	2,44,313	2,44,313	2,44,313
K. Buildings	42,737	1,336	44,073	44,073	44,073
L. Earth-work	8,29,120	1,717	8,30,837	8,30,837	8,30,837
O. Miscellaneous	18,864	7,483	26,347	26,347	26,347
Total, Main Canals and Branches ...	14,33,108	13,986	14,47,094	14,47,094	14,47,094
(3)—*Distributaries.*					
B. Land	667	...	667	667	667
C. Works	65,540	...	65,540	65,540	65,540
L. Earth-work	32,160	...	32,160	32,160	32,160
Total, Distributaries ...	98,367	...	98,367	98,367	98,367
Total, I.—Works ...	16,01,765	13,986	16,15,751	16,15,751	16,15,751
II.—ESTABLISHMENT.					
1 & 2 Direction and Accounts ...	81,487	4,441	3,50,001	3,50,001	3,50,001
3. Executive	2,64,073				
Total, Establishment ...	3,45,560	4,441	3,50,001	3,50,001	3,50,001
III.—TOOLS AND PLANT ...	9,274	124	9,398	9,398	9,398
Grand Total ...	19,56,599	18,551	19,75,150	19,75,150	19,75,150
V.—*Less* Receipts on Capital Account	504	...	504	504	504
Net Outlay	19,56,095	18,551	19,74,646	19,74,646	19,74,646
Apportionment.					
Chargeable to 43—Minor Works and Navigation	19,56,095	18,551	19,74,646	19,74,646	19,74,646

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

FULELI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	13,93,154	30,568	14,23,722	2. Main Canals and Branches. ...	3,26,878	13,127	3,40,005
3. Sales of water ...	3,073	123	3,196	3. Distributaries ...	28,517	...	28,517
5. Plantations ...	1,46,392	395	1,53,724	Total ...	3,55,395	13,127	3,68,522
6. Other canal produce		6,937					
8. Navigation ...	64,743	90	64,833				
9. Rents of buildings .	6,707	998	7,705	II.—MAINTENANCE AND REPAIRS.			
10. Fines	14,825	778	15,603				
11. Miscellaneous Receipts	1,68,329	6,881	1,75,210	1 Head Works ...	169	...	169
Total ..	17,97,223	46,770	18,43,993	2. Main Canals and Branches ...	51,60,950	1,48,977	53,09,927
				3. Distributaries ...	1,155	...	1,155
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department	1,85,12,880	5,69,439	1,90,82,319	Total ...	51,62,274	1,48,977	53,11,251
				IV.—ESTABLISHMENT.			
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58 A. I., dated respectively 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	2,29,598	15,164	2,44,762	1 & 2. Direction and Accounts ...	3,32,682	60,274	16,16,027
				3. Executive ...	12,23,071		
Total ...	1,87,42,478	5,84,603	1,93,27,081	Total ...	15,55,753	60,274	16,16,027
				V.—TOOLS AND PLANT ...	38,645	2,112	40,757
Total, Receipts ...	2,05,39,701	6,31,373	2,11,71,074				
Carried over ...	2,05,39,701	6,31,373	2,11,71,074	Carried over ...	71,12,067	2,24,490	73,36,557

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

FULELI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	2,05,39,701	6,31,373	2,11,71,074	Brought forward ...	71,12,067	2,24,490	73,36,557
				VI.—REFUNDS OF REVENUE	3,714	...	3,714
Note.—Loss to the canal on account of difference between assessment of water-rates on jághir lands and assessment at the ordinary rates in force for Government lands noted hereper Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				Suspense Account ...	—239	718	479
				Total ...	71,15,542	2,25,208	73,40,750
Rs. To end of 1917-1918 56,90,959 Loss for 1918-1919 1,46,581							
Total ...58,37,540				Share of Collection Charges in the Civil Department	15,26,474	36,234	15,62,708
				Indirect Charges debitable to Revenue Account as per Account No. 5	2,62,073	8,438	2,70,511
				Total, Charges ...	89,04,089	2,69,880	91,73,969
				Balance Net Revenue ...	1,16,35,612	3,61 493	1,19,97,105
Grand Total ...	2,05,39,701	6,31,373	2,11,71,074	Grand Total ...	2,05,39,701	6,31,373	2,11,71,074

N.B.—Construction Estimate closed on 31st March 1893—*vide* Government Resolution No. 1035, dated 27th June 1894. Completion Report approved in Government Resolution No. 1035, dated 27th June 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized Abatement of Land Revenue ..	1,4412	.....	14,412
2. Leave and Pension Allowances ...	57,847	622	58,469
Total ...	72,259	622	72,881
REVENUE—			
1. Capitalized abatement of Land Revenue ...	17,146	.....	17,146
2. Leave and Pension Allowances ...	2,44,927	8,438	2,53,365
Total ...	2,62,073	8,438	2,70,511

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

FULELI CANAL.

CANAL PROJECT.

No. 6.—Statement comparing Charges to date with sanctioned Estimate.

Particulars.	Charges against closed sanction.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
DIRECT CHARGES.								
Works	9,84,801	6,30,950	16,15,751	...	...	...	16,15,751	
Establishment ...	2,00,468	1,49,533	3,50,001	...	...	...	3,50,001	
Tools and Plant ...	1,325	8,073	9,398	...	...	...	9,398	
Total ...	11,86,594	7,88,556	19,75,150	...	...	...	19,75,150	
Less—Receipts on Capital Account ...	21	483	504	...	...	...	504	
Net Total ...	11,86,573	7,88,073	19,74,646	...	...	...	19,74,646	
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	6,800	7,612	14,412	...	...	...	14,412	
Leave and Pension Allowances ...	37,536	20,933	58,469	...	...	...	58,469	
Total ...	44,336	28,545	72,881	...	...	...	72,881	
Grand Total ...	12,30,909	8,16,618	20,47,527	...	...	...	20,47,527	

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

HASANALI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total. Previous.	Total. 1918-1919.	Total. Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	2,807	74	2,881
5. Plantation ...	3	...	3
6. Other canal produce	1,988	39	2,027
9. Rents of buildings	1	...	1
10. Fines	339	...	339
11. Miscellaneous receipts	3,824	374	4,198
Total ...	8,962	487	9,449
II.—INDIRECT RECEIPTS.			
Irrigation share of Land Revenue collected in the Civil Department ...	5,34,523	37,614	5,72,137
4 per cent. on $\frac{9}{10}$ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58 A. I., dated respectively 20th June and 1st August 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889	5,441	673	6,114
Total .	5,39,964	38,287	5,78,251
Total, Receipts ..	5,48,926	38,774	5,87,700
Note.—Loss to the canal on account of difference between assessment of water rates on jighir lands an assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233 I., dated 14th June 1883 communicated under Government Resolution No. 400, dated 11th August 1883.			
To end of 1917-1918. 25,[illegible]			
Loss for 1918-1919 ... 1,5[illegible]			
Total ... 27,0[illegible]			
Grand Total	5,48,[illegible]26	38,774	5,87,700

Charges.	Total. Previous.	Total. 1918-1919.	Total. Total.
I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
2. Main Canals and Branches	22,012	—817	21,195
II.—MAINTENANCE AND REPAIRS.			
2. Main Canals and Branches	1,69,802	8,204	1,78,006
IV.—ESTABLISHMENT.			
1 & 2. Direction and Accounts ...	12,761	2,549	65,853
3. Executive	50,543		
Total ..	63,304	2,549	65,853
V.—TOOLS AND PLANT ..	1,956	84	2,040
Total ..	2,57,074	10,020	2,67,094
Share of Collection Charges in the Civil Department ...	32,241	2,277	34,518
Indirect Charges debitable to Revenue Account as per Account No. 5	8,862	357	9,219
Total, Charges	2,[illegible]8,177	1[illegible],654	3,[illegible]0,[illegible]31
Balance Net Revenue ..	2,50,74[illegible]	26,1[illegible]0	2,76,869
Grand Total ..	[illegible],18,9[illegible]6	38,774	5,87,700

N.B.—Last Capital Account detailed in the Administrative Accounts for 1911-12. Construction Estimate closed on 31st March 1907—*vide* Government Resolution No. 1802, dated 15th July 1907. Completion Report approved in Government Resolution No. 1802, dated 15th July 1907.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	8,862	357	9,219

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

WANGROLI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	32,739	442	33,181	1. Head Works' ...	382	1,427	1,809
3. Sales of water ...	1,848	...	1,848	2. Main Canals and Branches... ...	8,281	829	9,110
5. Plantations ...	21	...	21	Total ...	8,663	2,256	10,919
6. Other Canal produce ...	525	7	532	II.—MAINTENANCE AND REPAIRS.			
9. Rents of buildings.	2	...	2	1. Head Works ...	31,537	630	32,167
11. Miscellaneous receipts	3,917	226	4,143	2. Main Canals and Branches... ...	23,916	4,607	28,523
Total ...	39,052	675	39,727	Total ...	55,453	5,237	60,690
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	13,793	3,125	16,918	1 & 2. Direction and Accounts... ...	3,000	973	26,094
				3. Executive	22,121		
				Total ...	25,121	973	26,094
				V.—TOOLS AND PLANT ...	1,271	60	1,331
				VI.—REFUNDS OF REVENUE	103	...	103
				Total ..	90,611	8,526	99,137
				Share of Collection Charges in the Civil Department	3,159	335	3,494
				Indirect Charges debitable to Revenue Account as per Account No. 5	3,535	136	3,671
				Total, Charges ...	97,305	8,997	1,06,302
				Balance Net Revenue...	—44,460	—5,197	—49,657
Total, Receipts ...	52,845	3,800	56,645	Grand Total ...	52,845	3,800	56,645

N.B.—Last Capital Account detailed in the Adminstrative Account for 1917-18.

N.P.—Construction Estimate closed on 31st March 1909—*vide* Government Resolution No. 902, dated 31st March 1909. Completion Report approved in Government Resolution No. 729, dated 19th March 1910.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Capitalized Abatement of Land Revenue	19	.....	19
2. Leave and Pension Allowances	3,516	136	3,652
Total ...	3,535	136	3,671

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

TRANZA-NAGRAMA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	5,089	...	5,089	1. Head Works ...	4,046	828	4,874
5. Plantations ...	1	...	1	2. Main Canals and Branches ...	399	...	399
6. Other Canal produce ...	631	...	631	Total ...	4,445	828	5,273
10. Fines ...	16	...	16	II.—MAINTENANCE AND REPAIRS.			
11. Miscellaneous receipts ...	3,105	...	3,105	1. Head Works ...	13,562	943	14,505
Total ...	8,842	...	8,842	2. Main Canals and Branches ...	7,209	564	7,773
				Total ...	20,771	1,507	22,278
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department	573	54	627	1 & 2. Direction and Accounts ...	1,222	303	11,268
				3. Executive ...	9,743		
				Total ...	10,965	303	11,268
Total, Receipts ...	9,415	54	9,469	V.—TOOLS AND PLANT ...	528	18	546
				VI.—REFUNDS OF REVENUE ...	199	...	199
				Total ...	36,908	2,656	39,564
				Share of Collection Charges in the Civil Department	363	5	368
				Indirect Charges debitable to Revenue Account as per Account No. 5	1,573	42	1,615
				Total, Charges ...	38,844	2,703	41,547
				Balance Net Revenue ...	—29,429	—2,649	—32,078
Grand Total ...	9,415	54	9,469	Grand Total ...	9,415	54	9,469

N.B.—Last Capital Account detailed in the Administrative Accounts for 1913-1914. Construction Estimate closed on 30th June 1909 —*vide* Government Resolution No. 2496, dated 12th October 1909. Completion Report approved in Government Resolution No. 1730, dated 6th August 1910.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue	38	.....	38
2. Leave and Pension Allowances	1,535	42	1,577
Total ...	1,573	42	1,615

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

SAVALI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	31,778	96	31,874	1. Head Works ...	2,160	51	2,211
3. Sales of water ...	20	...	20	2. Main Canals and Branches ..	2,383	— 27	2,356
5. Plantations ...	..	65	65				
6. Other Canal produce...	214	...	214	Total ...	4,543	24	4,567
10. Fines ...	14	...	14				
11. Miscellaneous receipts	3,076	50	3,126	II.—MAINTENANCE AND REPAIRS.			
				1. Head Works ..	42,209	1,624	43,833
Total ...	35,102	211	35,313	2. Main Canals and Branches ...	11,512	1,393	12,905
				Total ...	53,721	3,017	56,738
II.—INDIRECT RECEIPTS.							
				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	1 & 2. Direction and Accounts ...	2,661	394	20,614
				3. Executive ...	17,559		
				Total ...	20,220	394	20,614
Total, Receipts ...	35,102	211	35,313	V.—TOOLS AND PLANT...	1,110	24	1,134
				VI.—REFUNDS OF REVENUE ...	48	...	48
				Total ..	79,642	3,459	83,101
				Share of collection Charges in the Civil Department ..	1,603	5	1,608
				Indirect Charges debitable to Revenue Account as per Account No. 5	3,280	55	3,335
				Total, Charges ..	84,525	3,519	88,044
				Balance Net Revenue ...	—49,423	—3,308	—52,731
Grand Total ..	35,102	211	35,313	Grand Total	35,102	211	35,313

N.B.—Last Capital Account detailed in the Administrative Accounts for 1912-13. Construction Estimate closed on 31st March 1910 *Vide* Government Resolution No. 66, dated 12th January 1910. Completion Report approved in Government Resolution No. 2577, dated 15th March 1912.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Capitalized Abatement of Land Revenue ...	449	.....	449
2. Leave and Pension Allowances ...	2,831	55	2,886
Total ...	3,280	55	3,335

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

SAHIAT TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	10,174	27	10,201	1. Head Works ...	2,460	...	2,460
5. Plantations ...	15	...	15	2. Main Canals and Branches ,,	4,344	86	4,430
6. Other canal produce	677	130	807	3. Distributaries ...	612	...	612
11. Miscellaneous receipts	1,508	18	1,526	Total ...	7,416	86	7,502
Total ...	12,374	175	12,549	II.—MAINTENANCE AND REPAIRS.			
II.—INDIRECT RECEIPTS.				1. Head Works ...	37,766	1,886	39,652
				2. Main Canals and Branches... ...	17,617	2,171	19,788
Irrigation share of Land Revenue collected in the Civil Department	44	636	680	Total ...	55,383	4,057	59,440
				IV.—ESTABLISHMENT.			
				1. & 2. Direction and Accounts... ...	2,893	538	21,787
				3. Executive	18,356		
Total, Receipts ...	12,418	811	13,229	Total ...	21,249	538	21,787
				V.—TOOLS AND PLANT ...	1,252	33	1,285
				VI.—REFUNDS OF REVENUE ...	1	...	1
				Total ...	85,301	4,714	90,015
				Share of Collection Charges in the Civil Department	512	65	577
				Indirect Charges debitable to Revenue Account as per Account No. 5	2,976	75	3,051
				Total, Charges ..	88,789	4,854	93,643
				Balance Net Revenue ...	—76,371	—4,043	—80,414
Grand Total ...	12,418	811	13,229	Grand Total ...	12,418	811	13,229

N.B.—Last Capital Account detailed in the Administrative Accounts for 1911-12. Construction Estimate closed on 31st March 1912—*vide* Government Resolution No. 2066, dated 18th October 1911. Completion Report approved in Government Resolution No. 10160, dated 7th October 1913.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Leave and Pension Allowances	2,976	75	3,051

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

SUKI RIVER.

TANK PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Paticulars.	Previous.	1918-1919.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Leave and Pension Allowances	385	.....	385

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Work	...	...	...	12,212	...	—12,212	12,212	Undertaken as a Famine Relief Work and the famine outlay at normal rates has been adjusted during the year 1911-12. Outlay without an estimate approved in Government Resolution No. A.I.6022, dated 7th June 1913.
Establishment ...	...	...	...	2,749	...	—2,749	2,749	
Tools and Plant ...	...	...	...	178	...	—178	178	
Total ...	...	...	...	15,139	...	—15,139	15,139	
Less—Receipts on Capital Account...	...	...	...	...	...	...	...	
Net Total ...	...	...	...	15,139	...	—15,139	15,139	
INDIRECT CHARGES.								
Capitalized Abatement of Land Revenue	...	...	...	...	...	...	...	
Leave and Pension Allowances ...	...	...	...	385	...	—385	385	
Total ...	...	...	...	385	...	—385	385	
Grand Total ...	...	...	...	15,524	...	—15,524	15,524	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

FUTELAO TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	196	151	347	1. Head Works ...	...	495	495
5. Plantations ...	...	26	26	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce.	91	...	91				
11. Miscellaneous receipts	309	81	390	1. Head Works ...	2,399	2,181	4,580
				2. Main Canals and Branches ...	670	697	1,367
Total ...	596	258	854	Total ...	3,069	2,878	5,947
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	1 & 2. Direction and Accounts ...	138	438	1,745
				3. Executive ...	1,169		
				Total ...	1,307	438	1,745
Total, Receipts ...	596	258	854	V.—TOOLS AND PLANT...	45	27	72
				Total ...	4,421	3,838	8,259
				Share of Collection Charges in the Civil Department ...	10	8	18
				Indirect Charges debitable to Revenue Account as per Account No. 5	183	61	244
				Total, Charges ...	4,614	3,907	8,521
				Balance Net Revenue ...	—4,018	—3,649	—7,667
Grand Total ...	596	258	854	Grand Total ...	596	258	854

N.B.—Last Capital Account detailed in the Administrative Accounts for 1916-17. Construction Estimate closed on 30th November 1916.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Leave and Pension Allowances	183	61	244

IRRIGATION BRANCH. BOMBAY PRESIDENCY

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

HARTA'LA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation	17,051	441	17,492	1. Head Works ...	969	2,763	3,732
5. Plantations	8,206	...	8,288	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce.		82					
10. Fines	260	...	260				
11. Miscellaneous Receipts.	16,505	1,329	17,834	1. Head Works ...	6,100	191	6,291
				3. Distributaries ...	1,342	...	1,342
Total ...	42,022	1,852	43,874	Total ...	7,442	191	7,633
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department...	...	...	...	1 & 2. Direction and Accounts ...	526	1,029	8,138
				3. Executive	6,583		
Total, Receipts ...	42,022	1,852	43,874	Total ...	7,109	1,029	8,138
				V.—TOOLS AND PLANT...	45	86	131
				VI—REFUNDS OF REVENUE ...	2,957	...	2,957
				Total ...	18,523	4,069	22,591
				Share of Collection Charges in the Civil Department ...	1,616	34	1,650
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	1,010	144	1,154
				Total, Charges ...	21,148	4,247	25,395
				Balance Net Revenue ...	20,874	−2,395	18,479
Grand Total ...	42,022	1,852	43,874	Grand Total ...	42,022	1,852	43,874

N. B.—Last Capital Account detailed in the Administrative Accounts for 1886-1887. Construction Estimate closed on 31st March 1887 —*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1224, dated 31st July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Leave and Pension Allowances	1,010	144	1,154

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

MHASVA TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	30,054	771	30,825	1. Head Works ...	6,682	92	6,774
3. Sales of water ...	14	...	14	2. Main Canals and Branches ..	2,094	488	2,582
5. Plantations ...	9,449	18	10,233	3. Distributaries ...	586	...	586
6. Other canal produce.		766		Total ...	9,362	580	9,942
9. Rents of buildings	154	...	154	II.—MAINTENANCE AND REPAIRS.			
10. Fines... ...	5	...	5	1. Head Works ...	4,106	162	4,268
11. Miscellaneous receipts ...	13,270	514	13,784	2. Main Canals and Branches ...	3,174	621	3,795
Total ...	52,946	2,069	55,015	3. Distributaries ...	16,408	...	16,408
II.—INDIRECT RECEIPTS.				Total ...	23,688	783	24,471
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	IV.—ESTABLISHMENT. 1 & 2. Direction and Accounts ... 3. Executive	1,966 / 23,646	474	26,086
Total Receipts ...	52,946	2,069	55,015	Total ...	25,612	474	26,086
				V.—TOOLS AND PLANT...	1,104	40	1,144
				Profit and Loss ...	149	...	149
				VI.—REFUNDS OF REVENUE	212	...	212
				Total ...	60,127	1,877	62,004
				Share of Collection Charges in the Civil Department	1,530	39	1,569
				Indirect Charges debitable to Revenue Account as per Account No. 5	3,866	66	3,932
				Total Charges ...	65,523	1,982	67,505
				Balance Net Revenue ...	—12,577	87	—12,490
Grand Total ...	52,946	2,069	55,015	Grand Total ...	52,946	2,069	55,015

N.B.—Last Capital Account detailed in the Administrative Accounts for 1893-94. Construction Estimate closed on 31st March 1887—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1224, dated 31st July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
REVENUE—	Rs.	Rs.	Rs.
1. Capitalized Abatement of Land Revenue	120	...	120
2. Leave and Pension Allowances	3,746	66	3,812
Total ...	3,866	66	3,932

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

JAMDA CANALS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation	2,77,397	5,061	2,82,458	1. Head Works ...	7,912	617	8,529
3. Sales of water ...	212	...	212	2. Main Canals and Branches ...	20,029	2,253	22,282
5. Plantations	55,434	543	56,634	3. Distributaries ...	1,464	...	1,464
6. Other canal produce.		657		Total ...	29,405	2,870	32,275
9. Rents of buildings,...	2,084	22	2,106	II.—MAINTENANCE AND REPAIRS.			
10. Fines	108	45	153	1. Head Works ...	19,573	—743	18,830
11. Miscellaneous receipts	2,704	...	2,704	2. Main Canals and Branches ...	2,28,333	5,846	2,34,179
Total ...	3,37,939	6,328	3,44,267	3. Distributaries ...	15,300	510	15,810
II.—INDIRECT RECEIPTS.				Total ...	2,63,206	5,613	2,68,819
Irrigation share of Land Revenue collected in the Civil Department...	...	...	...	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	20,423	2,953	2,26,181
				3. Executive	2,02,805		
Total Receipts ...	3,37,939	6,328	3,44,267	Total ...	2,23,228	2,953	2,26,181
				V.—TOOLS AND PLANT ...	5,509	246	5,755
				Profit and Loss ...	84	...	84
				VI.—REFUNDS OF REVENUE	1,085	...	1,085
				Total ...	5,22,517	11,682	5,34,199
				Share of Collection Charges in the Civil Department	13,805	253	14,058
				Indirect Charges debitable to Revenue Account as per Account No. 5	34,704	413	35,117
				Total Charges ...	5,71,026	12,348	5,83,374
				Balance Net Revenue ...	-2,33,087	-6,020	-2,39,107
Grand Total ...	3,37,939	6,328	3,44,267	Grand Total ...	3,37,939	6,328	3,44,267

N.B.—Last Capital Account detailed in the Administrative Accounts for 1914-15. Construction Estimate closed on 31st March 1902—*vide* Government Resolution No. 5163, dated 1st May 1915. Completion Report approved in Government Resolution No. 5163, dated 1st May 1915.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-19.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue	446	...	446
2. Leave and Pension Allowances	34,258	413	34,671
Total ...	34,704	413	35,117

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

PARSUL TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
				1. Head Works ...	3,613	94	3,707
				II.—MAINTENANCE AND REPAIRS.			
1. Water-rates from Irrigation ...	72,876	4,843	77,719				
5. Plantations... ...	689	...	689	1. Head Works ...	5,939	1,112	7,051
6. Other canal produce.	906	...	906	2. Main Canals and Branches ...	16	...	16
9. Rents of buildings ...	1	...	1	3. Distributaries ...	4,127	25	4,152
10. Fines	22	...	22				
11. Miscellaneous Receipts	377	31	408				
				Total ...	10,082	1,137	11,219
Total ...	74,871	4,874	79,745	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	982	1,432	22,162
				3. Executive	19,748		
II.—INDIRECT RECEIPTS.							
				Total ...	20,730	1,432	22,162
Irrigation share of Land Revenue collected in the Civil Department...	....	...	...	V.—TOOLS AND PLANT ...	900	26	926
				VI.—REFUNDS OF REVENUE ...	177	...	177
Total, Receipts ...	74,871	4,874	79,745	Total ...	35,502	2,689	38,191
				Share of Collection Charges in the Civil Department	3,645	242	3,887
				Indirect Charges debitable to Revenue Account as per Account No. 5	2,901	200	3,101
				Total, Charges ...	42,048	3,131	45,179
				Balance Net Revenue ...	32,823	1,743	34,566
Grand Total ...	74,871	4,874	79,745	Grand Total ...	74,871	4,874	79,745

N.B.—Last Capital Account detailed in the Administrative Accounts for 1897-98. Construction Estimate closed on 31st March 1896—*vide* Government Resolution No. 396, dated 14th March 1896. Completion Report approved in Government Resolution No. 241, dated 17th February 1896.

Note.—Loss of revenue due to concessions granted for wheat cultivation during the Rabi season 1916-17—*vide* Government Resolution No. A.I.—12327, dated 18th December 1917, Rs. 637.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Leave and Pension Allowances	2,901	200	3,101

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

PRAVARA LEFT BANK CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	TOTAL.			Charges.	TOTAL.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	2,71,826	6,915	2,78,741	1. Head Works ...	172	...	172
2. Sales of water..	29	...	29	2. Main Canals and Branches ...	4,644	1,106	5,750
5. Plantations ...	21,848	95	22,148	Total ...	4,816	1,106	5,922
6. Other canal produce ...		205		II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings ...	941	1	942	1. Head Works ...	3,374	...	3,374
10. Fines ...	1,223	16	1,239	2. Main Canals and Branches ...	1,42,807	7,768	1,50,575
11. Miscellaneous Receipts ...	7,338	143	7,981	3. Distributaries ...	11,548	...	11,548
Total ...	3,03,705	7,375	3,11,080	Total ...	1,57,729	7,768	1,65,497
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	10,684	6,009	19,664
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	3. Executive	1,52,971		
				Total ...	1,63,655	6,009	1,69,664
Enhanced Land Revenue as per Government Resolution No. 275, dated 7th July 1880 ...	2,964	76	3,040	V.—TOOLS AND PLANT ...	2,916	191	3,107
				VI.—REFUNDS OF REVENUE	1,042	...	1,042
Total ...	2,964	76	3,040	Total ...	3,30,158	15,074	3,45,232
Total, Receipts ...	3,06,669	7,451	3,14,120	Share of Collection Charges in the Civil Department.	13,924	351	14,275
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	23,554	841	24,395
				Total, Charges ...	3,67,636	16,266	3,83,902
				Balance Net Revenue ...	—60,967	—8,815	—69,782
Grand Total ..	3,06,669	7,451	3,14,120	Grand Total ...	3,06,669	7,451	3,14,120

N.B.—Last Capital Account detailed in the Administrative Accounts for 1906-07. Construction Estimate closed on 31st March 1893—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1856, dated 9th December 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	6	...	6
2. Leave and Pension Allowances	23,548	841	24,389
Total ...	23,554	841	24,395

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

BHA'TODI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
				1. Head Works ...	1,320	...	1,320
1. Water-rates from Irrigation ...	1,43,928	2,530	1,46,458	2. Main Canals and Branches ...	3,286	229	3,515
3. Sales of water ...	4	...	4	Total ...	4,606	229	4,835
5. Plantations ...	7,485	354	10,303	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce ...		2,464		1. Head Works ...	20,161	213	20,374
				2. Main Canals and Branches ...	72,682	1,594	74,276
9. Rents of Buildings ...	166	15	181	3. Distributaries ...	4,989	467	5,456
10. Fines ...	315	...	315	Total ...	97,832	2,274	1,00,106
11. Miscellaneous Receipts ...	24,003	1,170	25,173	III.—COMPENSATION ...	9	...	9
Total ...	1,75,901	6,533	1,82,434	IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS.				1 & 2. Direction and Accounts ...	6,230	899	80,340
				3. Executive ...	73,211		
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	Total ...	79,441	899	80,340
Revenue on lands irrigated by percolation as per Government Resolution No. 1757, dated 16th October 1891.	42,417	1,265	43,682	V.—TOOLS AND PLANT ...	1,543	73	1,616
				VI.—REFUNDS OF REVENUE.	1,265	...	1,265
				Total ...	1,84,696	3,475	1,88,171
Increased Land Revenue as per Government Resolution No. 203, dated 30th March 1878...	6,134	146	6,280	Share of Collection Charges in the Civil Department...	11,923	253	12,176
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	11,546	126	11,672
Total ...	48,551	1,411	49,962	Total, Charges ...	2,08,165	3,854	2,12,019
Total, Receipts ...	2,24,452	7,944	2,32,396	Balance Net Revenue ...	16,287	4,090	20,377
Grand Total ...	2,24,452	7,944	2,32,396	Grand Total ...	2,24,452	7,944	2,32,396

N.B.—Last Capital Account detailed in the Administrative Accounts for 1891-92. Construction Estimate closed on 31st March 1892—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1797, dated 19th November 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized abatement of Land Revenue	102	.....	102
2. Leave and Pension Allowances	11,444	126	11,570
Total ...	11,546	126	11,672

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

KA'SURDI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	9,327	263	9,590	2. Main Canals and Branches ...	31	...	31
3. Sales of water	20	...	20	3. Distributaries ...	80	...	80
5. Plantations ... 6. Other canal produce ...	2,593	...	2,593	Total ..	111	...	111
11. Miscellaneous Receipts ...	6,893	...	6,893	II.—MAINTENANCE AND REPAIRS.			
				1. Head Works ...	16,533	163	16,696
				3. Distributaries ...	2,917	237	3,154
Total ...	18,833	263	19,096	Total ...	19,450	400	19,850
				IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS.				1 & 2. Direction and Accounts ... 3. Executive ...	1,518 9,680	262	11,460
				Total ...	11,198	262	11,460
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	V.—TOOLS AND PLANT ...	1,695	8	1,703
				Total ...	32,454	670	33,124
				Share of Collection Charges in the Civil Department.	465	13	478
Total, Receipts ...	18,833	263	19,096	Indirect Charges debitable to Revenue Account as per Account No. 5 ...	1,694	37	1,731
				Total, Charges ...	34,613	720	35,333
				Balance Net Revenue ...	−15,780	−457	−16,237
Grand Total ...	18,833	263	19,096	Grand Total ...	18,833	263	19,096

N.B.—Last Capital Account detailed in the Administrative Accounts for 1877-78. Construction Estimate closed on 31st March 1878—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 997, dated 21st June 1894.

Note.—Loss of revenue due to concessions granted for wheat cultivation during the Rabi season 1916-17—*vide* Governmen Resolution No. A.I.—12327, dated 18th December 1917—Rs. 100.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	1,694	37	1,731

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

SHIRSUPHAL TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	87,501	4,463	91,964	1. Head Works ...	606	...	606
3. Sales of water ...	3	...	3	3. Distributaries ...	144	...	144
				Total ...	750	...	750
5. Plantations ...	4,723	...	4,758	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce		35					
10. Fines	77	32	109	1. Head Works ...	11,282	738	12,020
11. Miscellaneous Receipts	10,985	387	11,372	2. Main Canals and Branches ...	31,378	...	31,378
				3. Distributaries ...	2,659	965	3,624
Total ..	1,03,289	4,917	1,08,206	Total ...	45,319	1,703	47,022
				IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS.				1 & 2. Direction and Accounts ...	3,950	1,115	38,808
				3. Executive ...	33,743		
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Total ...	37,693	1,115	38,808
				V.—TOOLS AND PLANT ...	2,044	37	2,081
				VI.—REFUNDS OF REVENUE	16	...	16
Total, Receipts ...	1,03,289	4,917	1,08,206	Total ...	85,822	2,855	88,677
				Share of Collection Charges in the Civil Department	4,379	225	4,604
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	5,319	156	5,475
				Total Charges ...	95,520	3,236	98,756
				Balance Net Revenue ...	7,769	1,681	9,450
Grand Total ...	1,03,289	4,917	1,08,206	Grand Total ...	1,03,289	4,917	1,08,206

N.B.—Last Capital Account detailed in the Administrative Accounts for 1895-96. Construction Estimate closed on 31st October 1893 Completion Report approved in Government Resolution No. 328, dated 23rd February 1894.

Note.—Loss of revenue due to concessions granted for wheat cultivation during the Rabi season 1916-17—*vide* Government Resolution No. A.I.—12327, dated 18th December 1917—Rs. 334.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	5,319	156	5,475

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

Bhádalvádi Tank.

Tank Project.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.	I.—Extensions and Improvements.	Rs.	Rs.	Rs.
I.—Direct Receipts.				1. Head Works ...	643	...	643
1. Water-rates from Irrigation ...	1,09,344	3,661	1,13,005	3. Distributaries ...	158	...	158
3. Sales of water ...	18	...	18	Total ...	801	...	801
5. Plantations ...	4,786	...	4,786	II.—Maintenance and Repairs.			
6. Other canal produce		...		1. Head Works ...	7,794	379	8,173
11. Miscellaneous Receipts	1,854	246	2,100	2. Main Canals and Branches ...	336	...	336
Total ...	1,16,002	3,907	1,19,909	3. Distributaries ...	32,286	1,096	33,382
				Total ...	40,416	1,475	41,891
II.—Indirect Receipts				IV.—Establishment.			
				1 & 2. Direction and Accounts... ...	3,172	966	34,278
				3. Executive	30,140		
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Total ...	33,312	966	34,278
				V.—Tools and Plant ...	1,860	32	1,892
Total, Receipts ...	1,16,002	3,907	1,19,909	VI.—Refunds of Revenue	46	...	46
				Total ...	76,435	2,473	78,908
				Share of Collection Charges in the Civil Department	5,465	183	5,648
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	4,668	135	4,803
				Total Charges ...	86,568	2,791	89,359
				Balance Net Revenue ...	29,434	1,116	30,550
Grand Total ...	1,16,002	3,907	1,19,909	Grand Total ...	1,16,002	3,907	1,19,909

N.B.—Last Capital Account detailed in the Administrative Accounts for 1895-96. Construction Estimate closed on 31st March 1891—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 827, dated 17th May 1894.

Note—Loss of revenue due to concessions granted for wheat cultivation during the Rabi season 1916-17—*vide* Government Resolution No. A.I.—12327, dated 18th December 1917—Rs. 224.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	4,668	135	4,803

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

VICTORIA TANK.

TANK PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	Direct Charges.			Cost of Construction as now estimated.	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
	Rs.	Rs.	Rs.	Rs.	Rs.
I.—WORKS.					
(1)—*Head Works.*					
A. Preliminary Expenses	...	...	...	600	...
B. Land	4,052	...	4,052	13,200	...
C. Masonry Works	...	...	...	60,033	...
K. Buildings	...	...	...	1,000	...
L. Earth-work	40,743	4,947	45,690	2,72,099	...
P. Maintenance	681	15	696	712	...
Total, Head Works ...	45,476	4,962	50,438	3,47,644	...
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	...	...	...	200	...
B. Land	...	...	...	80	...
C. Masonry Works	...	...	...	4,500	...
K. Buildings	...	...	...	200	...
L. Earth-work	...	...	...	1,420	...
Total, Main Canals and Branches ...	...	...	...	6,400	...
Total, I.—Works ...	45,476	4,962	50,438	3,54,044	...
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	2,064	1,151	10,642	17,038	...
3. Executive	7,427			61,337	...
Total, II.—Establishment ...	9,491	1,151	10,642	78,375	...
III.—Tools and Plant	545	106	651	5,111	...
Grand Total ...	55,512	6,219	61,781	4,37,530	...
V.—*Less*—Receipts on Capital Account ...	970	390	1,360	...	...
Net Outlay ...	54,542	5 829	60,371	4,37,530	...
APPORTIONMENT.					
Chargeable to 43.—Minor Works and Navigation ...	9,838	5,829	15,667	4,37,530	...
Do. 33.—Famine Relief ...	44,704	...	44,704		
Total ...	54,542	5,829	60,371	4,37,530	...

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

VICTORIA TANK.

TANK PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
CAPITAL—			
1. Capitalized abatement of Land Revenue	2,463	...	2,463
2. Leave and Pension Allowances	1,330	161	1,491
Total ...	3,793	161	3,954

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	...	...	...	50,438	3,54,044	3,03,606	50,438	
Establishment ...	...	...	...	10,642	78,375	67,733	10,642	
Tools and Plant ...	...	...	...	651	5,111	4,460	651	
Total ...	...	...	...	61,731	4,37,530	3,75,799	61,731	
Less—Receipts on Capital Account ...	...	...	...	1,360	...	-1,360	1,360	
Net Total ...	...	...	...	60,371	4,37,530	3,77,159	60,371	Government of India's No. 449-I. of 22nd March 1905—*vide* Government Resolution No. 1218 of 6th May 1905.
INDIRECT CHARGES.								
Capitalized abatement of Land Revenue ...	...	...	...	2,463	12,500	10,037	2,463	
Leave and Pension Allowances	...	...	...	1,491	10,973	9,482	1,491	
Total ...	...	...	...	3,954	23,473	19,519	3,954	
Grand Total ...	...	...	...	64,325	4,61,003	3,96,678	64,325	

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

KOREGAON TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.							
1. Water-rates from Irrigation ...	35,777	2,572	38,349	1. Head Works ...	6,080	3,014	9,094
				2. Main Canals and Branches	345	...	345
				3. Distributaries ...	7	...	7
5. Plantations ...	1,642	4	2,547	Total ...	6,432	3,014	9,446
6. Other canal produce		901		II.—MAINTENANCE AND REPAIRS.			
9. Rents of buildings.	1	...	1	1. Head Works ...	8,362	314	8,676
				2. Main Canals and Branches ...	923	...	923
11. Miscellaneous Receipts	298	68	366	3. Distributaries ...	8,252	151	8,403
Total ...	37,718	3,545	41,263	Total ...	17,537	465	18,002
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts	1,453	1,210	17,602
				3. Executive	14,939		
Irrigation share of Land Revenue collected in the Civil Department.	*3,089	...	3,089	Total ...	16,392	1,210	17,602
				V.—TOOLS AND PLANT ...	550	101	651
				VI.—REFUNDS OF REVENUE ...	18	...	18
				Total ...	40,929	4,790	45,719
Total ...	3,089	...	3,089				
				Share of Collection Charges in the Civil Department	2,139	129	2,268
Total Receipts ...	40,807	3,545	44,352				
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	2,297	169	2,466
				Total Charges ...	45,365	5,088	50,453
				Balance Net Revenue ...	—4,558	—1,543	—6,101
Grand Total ...	40,807	3,545	44,352	Grand Total ...	40,807	3,545	44,352

* This amount to end of January 1879, after which the revenue is credited as direct water-rates.

* *N.B.*—Last Capital Account detailed in the Administrative Accounts for 1890-91. Construction Estimate closed on 31st March 1892—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 654, dated 11th April 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	2,297	169	2,466

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

ASHTI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	2,54,801	13,995 (a)310	2,69,106	1. Head Works ...	39,902	...	39,902
3. Sales of water ...	291	28	319	2 Main Canals and Branches ...	3,713	1,454	5,167
5. Plantations ...	47,984	35	52,241	3. Distributaries ...	2,234	...	2,234
6. Other canal produce		4,222		Total ...	45,849	1,454	47,303
9. Rents of Buildings.	630	55	685	II.—MAINTENANCE AND REPAIRS.			
10. Fines	25	...	25	1. Head Works ...	39,029	874	39,903
11. Miscellaneous Receipts	8,616	3,054	11,670	2. Main Canals and Branches ...	62,681	1,149	63,830
				3. Distributaries ...	5,052	27	5,079
Total ...	3,12,347	21,699	3,34,046	Total ...	1,06,762	2,050	1,08,812
				III.—COMPENSATION ...	15	...	15
				IV.—ESTABLISHMENT.			
II.—INDIRECT RECEIPTS				1 & 2. Direction and Accounts ...	11,851		
				3. Executive	71,071	1,219	84,323
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Allowance for Collection of Revenue	182		
				Total ...	83,104	1,219	84,323
				V.—TOOLS AND PLANT.	2,914	102	3,016
				VI.—REFUNDS OF REVENUE	1,029	...	1,029
Total Receipts ...	3,12,347	21,699	3,34,046	Total ...	2,39,673	4,825	2,44,498
				Share of Collection Charges in the Civil Department	12,612	828 (a)310	13,750
				Indirect Charges debitable to Revenue Account as per Account No. 5	11,803	171	11,974
				Total Charges ...	2,64,088	6,134	2,70,222
				Balance Net Revenue ...	48,259	15,565	63,824
Grand Total ...	3,12,347	21,699	3,34,046	Grand Total ...	3,12,347	21,699	3, 4,046

(a) Amount adjusted by credit to water-rates and debit per *contra* on account of collection charges for the revenue realized by th Miraj State.

N.B.—Last Capital Account detailed in the Administrative Accounts for 1901-02. Construction Estimate closed on 31st March 1893 —*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 490, dated 15th March 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1917-1918.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue	107	.....	107
2. Leave and Pension Allowances	11,696	171	11,867
Total ...	11,803	171	11,974

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

PA'THRI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	TOTAL.			Charges.	TOTAL.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	51,294	6,300	57,594	1. Head Works ...	729	...	729
				2. Main Canals and Branches ...	463	...	463
3. Sales of water ...	475	445	920	Total ...	1,192	...	1,192
5. Plantations ...	67	21	88	II.—MAINTENANCE AND REPAIRS.			
				1. Head Works ...	5,225	626	5,851
6. Other canal produce	1,498	49	1,547	2. Main Canals and Branches ...	5,649	356	6,005
				3. Distributaries ...	1,182	36	1,218
9. Rents of Buildings .	1	...	1	Total ...	12,056	1,018	13,074
11. Miscellaneous Receipts ...	379	56	435	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	600	354	6,815
				3. Executive ...	5,861		
Total ...	53,714	6,871	60,585	Total ...	6,461	354	6,815
				V.—TOOLS AND PLANT ...	884	30	914
				VI.—REFUNDS OF REVENUE	4	...	4
II.—INDIRECT RECEIPTS.							
				Suspense Account ..	—46	...	—46
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Total ...	20,551	1,402	21,953
				Share of Collection Charges in the Civil Department	2,565	337	2,902
Total, Receipts ...	53,714	6,871	60,585	Indirect Charges debitable to Revenue Account as per Account No. 5	904	50	954
				Total, Charges ...	24,020	1,789	25,809
				Balance Net Revenue ...	29,694	5,082	34,776
Grand Total ...	53,714	6,871	60,585	Grand Total ..	53,714	6,871	60,585

N.B.—Last Capital Account detailed in the Administrative Accounts for 1915-16.
Construction Estimate closed on 31st March 1909—*vide* Government Resolution No. 1654, dated 6th July 1902.
Completion Report approved in Government Resolution No. 2452, dated 22nd November 1910.

No. 5—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	904	50	954

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

REVA'RI CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	1,90,612	3,664	1,94,276	1. Head Works ...	510	...	510
				2. Main Canals and Branches ...	1,117	...	1,117
				Total ...	1,627	...	1,627
3. Sales of water ...	11	...	11				
				II.—MAINTENANCE AND REPAIRS.			
5. Plantations ...	6,099	202	6,301	1. Head Works ...	1,568	...	1,568
6. Other canal produce.				2. Main Canals and Branches ...	54,920	963	55,883
				3. Distributaries ...	270	...	270
9. Rents of Buildings.	835	31	866				
10. Fines ...	101	...	101	Total ...	56,758	963	57,721
11. Miscellaneous Receipts ...	4	...	4	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	2,470	607	39,371
				3. Executive ...	36,294		
Total ...	1,97,662	3,897	2,01,559	Total ...	38,764	607	39,371
				V.—TOOLS AND PLANT ...	1,771	23	1,794
II.—INDIRECT RECEIPTS.							
				VI.—REFUNDS OF REVENUE	19	...	19
Irrigation share of Land Revenue collected in the Civil Department	...	...	...	Total ...	98,939	1,593	1,00,532
				Share of Collection Charges in the Civil Department	9,496	183	9,679
Total, Receipts ...	1,97,662	3,897	2,01,559				
				Indirect Charges debitable to Revenue Account as per Account No. 5	6,491	85	6,576
				Total, Charges ...	1,14,926	1,861	1,16,787
				Balance Net Revenue ...	82,736	2,036	84,772
Grand Total ...	1,97,662	3,897	2,01,559	Grand Total ...	1,97,662	3,897	2,01,559

N.B.—Last Capital Account detailed in the Administrative Accounts for 1895-96. Construction Estimate closed on 31st March 1893 —*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 489, dated 15th March 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	6,491	85	6,576

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

UPPER MAN RIVER WORKS.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
				1. Head Works ...	20,355	...	20,355
1. Water-rates from Irrigation ...	1,45,898	1,575	1,47,473	3. Distributaries ...	170	...	170
3. Sales of water ...	6	...	6	Total ...	20,525	...	20,525
5. Plantations ...	8,064	...	8,136				
6. Other canal produce.		72		II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings...	971	31	1,002	1. Head Works ...	15,686	156	15,842
10. Fines	3	...	3	2. Main Canals and Branches ...	3,112	227	3,339
11. Miscellaneous Receipts ...	252	98	350	3. Distributaries ...	70,168	1,526	71,694
				Total ...	88,966	1,909	90,875
Total ...	1,55,194	1,776	1,56,970	III.—COMPENSATION ...	1	...	1
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts... ...	5,090	1,206	53,301
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	3. Executive	47,005		
				Total ...	52,095	1,206	53,301
				V.—TOOLS AND PLANT ...	3,101	46	3,147
Total, Receipts ...	1,55,194	1,776	1,56,970	VI.—REFUNDS OF REVENUE	167	...	167
				Total ...	1,64,855	3,161	1,68,016
				Share of Collection Charges in the Civil Department	7,286	79	7,365
				Indirect Charges debitable to Revenue Account as per Account No. 5...	7,871	169	8,040
				Total, Charges ...	1,80,012	3,409	1,83,421
				Balance Net Revenue ...	—24,818	—1,633	—26,451
Grand Total ...	1,55,194	1,776	1,56,970	Grand Total ...	1,55,194	1,776	1,56,970

N.B.—Last Capital Account detailed in the Administrative Accounts for 1900-01. Construction Estimate closed on 31st March 1892 —*vide* Government Resolution No. 1411, dated 12th September 1898. Completion Report approved in Government Resolution No. 815, dated 22nd May 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue.	24	.....	24
2. Leave and Pension Allowances	7,847	169	8,016
Total ...	7,871	169	8,040

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

YERLA RIVER IRRIGATION WORKS.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ..	4,10,873	9,893	4,20,766	1. Head Works ...	47,369	...	47,369
3. Sales of water ...	23	...	23	2. Main Canals and Branches	965	...	965
5. Plantations ...	25,823	...	26,104	Total ...	48,334	...	48,334
6. Other canal produce		281		II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings.	934	...	934	1. Head Works ...	39,184	675	39,859
10. Fines	120	...	120	2. Main Canals and Branches	1,15,012	3,242	1,18,254
11. Miscellaneous Receipts	1,776	55	1,831	3. Distributaries ...	23,998	1,157	25,155
Total ...	4,39,549	10,229	4,49,778	Total ...	1,78,194	5,074	1,83,268
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department	...	...	...	1 & 2. Direction and Accounts ...	10,244	3,205	1,06,648
				3. Executive ...	93,199		
				Total ...	1,03,443	3,205	1,06,648
Total, Receipts ...	4,39,549	10,229	4,49,778	V.—TOOLS AND PLANT ...	3,868	121	3,989
				VI.—REFUNDS OF REVENUE	57	14	71
				Total ...	3,33,896	8,414	3,42,310
				Share of Collection Charges in the Civil Department	20,538	495	21,033
				Indirect Charges debitable to Revenue Account as per Account No. 5	15,686	449	16,135
				Total, Charges ...	3,70,120	9,358	3,79,478
				Balance Net Revenue ...	69,429	871	70,300
Grand Total ...	4,39,549	10,229	4,49,778	Grand Total ...	4,39,549	10,229	4,49,778

N.B.—Last Capital Account detailed in the Administrative Accounts for 1907-08. Construction Estimate closed on 31st March 1896 —*vide* Government Resolution No. 666, dated 12th May 1896. Completion Report approved in Government Resolution No. 1419, dated 8th October 1897.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	15,686	449	16,135

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

CHIKHLI CANAL.

TANK PROJECT.

No 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total. Previous.	1918-1919.	Total.	Charges.	Total. Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	64,265	800	65,065	1. Head Works ...	968	...	968
3. Sales of water ...	1	...	1	2. Main Canals and Branches... ...	553	...	553
5. Plantations ...	...	38					
6. Other canal produce	5,613	...	5,651	Total ...	1,521	...	1,521
9. Rents of buildings.	50	...	50				
11. Miscellaneous Receipts	80	...	80	II.—MAINTENANCE AND REPAIRS.			
				1. Head Works ...	1,166	...	1,166
Total ...	70,009	838	70,847	2. Main Canals and Branches... ...	31,779	429	32,208
II.—INDIRECT RECEIPTS.				Total ...	32,945	429	33,374
Irrigation share of Land Revenue collected in the Civil Department ...	...			IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	1,567	271	21,356
				3. Executive ...	19,518		
Total, Receipts ...	70,009	838	70,847	Total ...	21,085	271	21,356
				V.—TOOLS AND PLANT ...	472	10	482
				VI.—REFUNDS OF REVENUE	158	...	158
				Total ...	56,181	710	56,891
				Share of Collection Charges in the Civil Department	3,218	40	3,258
				Indirect Charges debitable to Revenue Account as per Account No. 5	3,496	38	3,534
				Total, Charges ...	62,895	788	63,683
				Balance Net Revenue ...	7,114	50	7,164
Grand Total ...	70,009	838	70,847	Grand Total ...	70,009	838	70,847

N. B.—Last Capital Account detailed in the Administrative Accounts for 1882-83. Construction Estimate closed on 31 March 1883—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 489, dated 15th March 1895.

No. 5.—*Account of Indirect Charges for, and to end of,* 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances ...	3,496	38	3,534

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

MAINI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	2,23,868	7,478	2,31,346	1. Head Works ...	16,811	...	16,811
5. Plantations ...	8,379	...	8,394	3. Distributaries ...	123	...	123
6. Other canal produce		15		Total ...	16,934	...	16,934
9. Rents of Buildings	319	...	319	II.—MAINTENANCE AND REPAIRS.			
10. Fines	54	...	54	1. Head Works ...	13,239	153	13,392
11. Miscellaneous Receipts	102	156	258	2. Main Canals and Branches ...	535	419	954
				3. Distributaries ...	64,483	2,211	66,694
Total ...	2,32,722	7,649	2,40,371	Total ...	78,257	2,783	81,040
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	3,943	1,757	49,133
				3. Executive ...	43,433		
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	Total ...	47,376	1,757	49,133
				V.—TOOLS AND PLANT...	2,291	66	2,357
				VI.—REFUNDS OF REVENUE	82	22	104
Total, Receipts ...	2,32,722	7,649	2,40,371	Total ...	1,44,940	4,628	1,49,568
				Share of Collection Charges in the Civil Department	11,198	374	11,572
				Indirect Charges debitable to Revenue Account as per Account No. 5	7,294	246	7,540
				Total, Charges ...	1,63,432	5,248	1,68,680
				Balance Net Revenue ...	69,290	2,401	71,691
Grand Total ...	2,32,722	7,649	2,40,371	Grand Total ...	2,32,722	7,649	2,40,371

N.B.—Last Capital Account detailed in the Administrative Accounts for 1906-1907. Construction Estimate closed on 31st March 1892 —*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 815, dated 22nd May 1895.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue ...	288	.....	288
2. Leave and Pension Allowances ...	7,006	246	7,252
Total ...	7,294	246	7,540

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

MUCHKUNDI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total. Previous.	1918-1919.	Total.	Charges.	Total. Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	1,855	...	1,855	1. Head Works ...	410	...	410
3. Sales of Water ...	330	...	330	2. Main Canals and Branches ...	511	...	511
5. Plantations ...	13,172	...	16,181	Total ...	921	...	921
6. Other canal produce ...		3,009		II.—MAINTENANCE AND REPAIRS.			
10. Fines ...	1	...	1	1. Head Works ...	5,084	...	5,084
11. Miscellaneous Receipts ...	1,771	...	1,771	2. Main Canals and Branches ...	3,427	1,250	4,677
Total ...	17,129	3,009	20,138	Total ...	8,511	1,250	9,761
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	...	...	...	1 & 2. Direction and Accounts ...	395	516	4,003
				3. Executive ...	3,092		
				Total ...	3,487	516	4,003
Total, Receipts ...	17,129	3,009	20,138	V.—TOOLS AND PLANT...	106	30	136
				Total ...	13,025	1,796	14,821
				Share of Collection Charges in the Civil Department ...	114	...	114
				Indirect Charges debitable to Revenue Account as per Account No. 5	486	72	558
				Total, Charges ...	13,625	1,868	15,493
				Balance Net Revenue ...	3,504	1,141	4,645
Grand Total ...	17,129	3,009	20,138	Grand Total ...	17,129	3,009	20,138

N.B.—Last Capital Account detailed in the Administrative Accounts for 1890-1891. Construction Estimate closed on 31st March 1891—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 662, dated 12th April 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	486	72	558

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

GADIKERI TANK.

TANK PROJECT.

No. 3—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS ...	...	...	...
1. Water-rates from Irrigation ...	8,959	...	8,959				
5. Plantations ...	84	...	84	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce		...					
Total ...	9,043	...	9,043	1. Head Works	8,119	109	8,228
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department ...	72,067	2,061	74,128	1 & 2. Direction and Accounts ...	382	84	1,904
				3. Executive	1,438		
Total, Receipts ...	81,110	2,061	83,171	Total ...	1,820	84	1,904
				V.—TOOLS AND PLANT ...	33	2	35
				VI.—REFUNDS OF REVENUE.	2,021	...	2,021
				Total ...	11,993	195	12,188
Carried over ...	81,110	2,061	83,171	Carried over ...	11,993	195	12,188

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

GADIKERI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
Brought forward ...	81,110	2,061	83,171	Brought forward ...	11,993	195	12,188
				Share of Collection Charges in the Civil Department .	8,106	206	8,312
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	254	12	266
				Total, Charges ...	20,353	413	20,766
				Balance Net Revenue ...	60,757	1,648	62,405
Grand Total ...	81,110	2,061	83,171	Grand Total ...	81,110	2,061	83,171

N.B.—Last Capital Account detailed in the Administrative Accounts for 1905-1906. Construction Estimate closed on 31st March 1882 —*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 101, dated 18th January 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	254	12	266

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

GOKA'K CANAL—FIRST SECTION AND STORAGE WORKS.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	7,58,781	33,135	7,91,916	1. Head Works ...	5,863	689	6,552
3. Sales of water ...	6,576	318	6,894	2. Main Canals and Branches ...	1,134	...	1,134
5. Plantations ...	24,345	300	28,296	Total ...	6,997	689	7,686
6. Other canal produce.		3,651					
7. Water-power ...	3,66,281	14,313	3,80,594	II.—MAINTENANCE AND REPAIRS.			
9. Rents of Buildings.	854	21	875	1. Head Works ...	63,882	3,481	67,363
10. Fines	44	...	44	2. Main Canals and Branches ...	36,903	508	37,411
11. Miscellaneous Receipts	22,297	1,168	23,465	3. Distributaries ...	24,249	631	24,880
Total ...	11,79,178	52,906	12,32,084	Total ...	1,25,034	4,620	1,29,654
II.—INDIRECT RECEIPTS				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	1 & 2. Direction and Accounts ...	6,115	4,092	1,08,483
				3. Executive	98,276		
				Total ...	1,04,391	4,092	1,08,483
Total, Receipts ...	11,79,178	52,906	12,32,084	V.—TOOLS AND PLANT...	9,607	127	9,734
				VI.—REFUNDS OF REVENUE... ...	3,241	121	3,362
				Total ...	2,49,270	9,649	2,58,919
				Share of Collection Charges in the Civil Department	42,760	1,678	44,438
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	14,614	573	15,187
				Total, Charges ...	3,06,644	11,900	3,18,544
				Balance Net Revenue ...	8,72,534	41,006	9,13,540
Grand Total ...	11,79,178	52,906	12,32,084	Grand Total ...	11,79,178	52,906	12,32,084

N. B.—Last Capital Account detailed in the Administrative Accounts for 1906-07 and No. 6 in 1909-1910. Construction Estimate closed on 31st March 1897—*vide* Government Resolution No. 1393, dated 2nd October 1897. Completion Report approved in Government Resolution No. 327, dated 10th February 1900.

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

GOKÁK CANAL—FIRST SECTION AND STORAGE WORKS.

CANAL PROJECT.

No. 4.—Interest Account for, and to end of, 1918-1919.

	Amount.		Amount.
	Rs.		Rs.
Total Interest charges to end of 1917-1918.	5,49,813	Net Revenue realized to end of 1917-1918.	3,743
		Do. during 1918-1919 ...	...
Interest charges for the year 1918-1919 ...	13,960		3,743
		Balance net interest charges ...	5,60,030
Total ...	5,63,773	Total ...	5,63,773

Interest on outlay charged to 35—Protective Works as per Government of India's No. 4-A. I. of 19th January 1891.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	14,614	573	15,187

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

DAMBAL TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
				1. Head Works ...	634	...	634
1. Water-rates from Irrigation ...	17,761	953	18,714	II.—MAINTENANCE AND REPAIRS.			
5. Plantations ...	12,804	...	13,474	1. Head Works ...	13,730	1,168	14,898
6. Other canal produce		670		3. Distributaries ...	670	...	670
11. Miscellaneous receipts	384	...	384	Total ...	14,400	1,168	15,568
				IV.—ESTABLISHMENT.			
Total ...	30,949	1,623	32,572	1 & 2. Direction and Accounts ...	634	823	15,215
				3. Executive	13,758		
II.—INDIRECT RECEIPTS.				Total ...	14,392	823	15,215
				V.—TOOLS AND PLANT ...	13	28	41
Irrigation share of Land Revenue collected in the Civil Department.	32,182	916	33,098	VI.—REFUNDS OF REVENUE ...	126	...	126
				Total ...	29,565	2,019	31,584
Total, Receipts ...	63,131	2,539	65,670	Share of Collection Charges in the Civil Department	4,288	139	4,427
				Indirect Charges debitable to Revenue Account as per Account No. 5	2,147	115	2,262
				Total, Charges ...	36,000	2,273	38,273
				Balance Net Revenue...	27,131	266	27,397
Grand Total ...	63,131	2,539	65,670	Grand Total ...	63,131	2,539	65,670

N.B.—Last Capital Account detailed in the Administrative Accounts for 1885-86.

Construction Estimate closed on 31st March 1886—*vide* Government Resolution No. 1411, dated 12th September 1893.

Completion Report approved in Government Resolution No. 1138, dated 16th July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue	124	.....	124
2. Leave and Pension Allowances	2,023	115	2,138
Total ...	2,147	115	2,262

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

MEDLERI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I—EXTENSIONS AND IMPROVEMENTS.			
				1. Head Works ...	141	...	141
1. Water-rates from Irrigation ...	18,650	145	18,795	II.—MAINTENANCE AND REPAIRS.			
5. Plantations ...	1,051	...	1,638	1. Head Works ...	13,537	325	13,862
6. Other canal produce		587		2. Main Canals and Branches ...	24	...	24
11. Miscellaneous Receipts ...	88	5	93	3. Distributaries ...	2,191	...	2,191
Total ...	19,789	737	20,526	Total ...	15,752	325	16,077
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	658	229	
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	3. Executive ...	12,772		13,659
				Total ...	13,430	229	13,659
				V.—TOOLS AND PLANT ..	12	8	20
Total, Receipts ...	19,789	737	20,526	VI.—REFUNDS OF REVENUE.	299	...	299
				Total ...	29,634	562	30,196
				Share of Collection Charges in the Civil Department	931	8	939
				Indirect Charges debitable to Revenue Account as per Account No. 5	1,879	32	1,911
				Total, Charges ...	32,444	602	33,046
				Balance Net Revenue ...	—12,655	135	—12,520
Grand Total ...	19,789	737	20,526	Grand Total ...	19,789	737	20,526

N. B.—Last Capital Account detailed in the Administrative Accounts for 1885-86. Construction Estimate closed on 31st March 1886—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1138 dated 16th July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances	1,879	32	1,911

IRRIGATION BRANCH. BOMBAY PRESIDENCY

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

MADAG TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				I.—EXTENSIONS AND IMPROVEMENTS.			
1. Water-rates from Irrigation ...	95,891	1,642	97,533	2. Main Canals and Branches ...	1,537	...	1,537
5 Plantations ...	6,947	120	7,319	II.—MAINTENANCE AND REPAIRS.			
6. Other canal produce		252		1 Head Works ...	2,069	618	2,687
11. Miscellaneous Receipts	328	...	328	2. Main Canals and Branches ...	48,677	...	48,677
Total ...	1,03,166	2,014	1,05,180	Total ...	50,746	618	51,364
II.-INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	...	...	...	5 & 2. Direction and Accounts ...	1,936	435	36,484
				3 Executive	34,113		
				Total ...	36,049	435	36,484
Total, Receipts ...	1,03,166	2,014	1,05,180	V.—TOOLS AND PLANT ...	568	15	583
				Total ...	88,900	1,068	89,968
				Share of Collection Charges in the Civil Department .	4,819	82	4,901
				Indirect Charges debitable to Revenue Account as per Account No. 5 ...	5,679	61	5,740
				Total, Charges ...	99,398	1,211	1,00,609
				Balance Net Revenue ...	3,768	803	4,571
Grand Total ...	1,03,166	2,014	1,05,180	Grand Total ...	1,03,166	2,014	1,05,180

N.B.—Last Capital Account detailed in the Administrative Accounts for 1888-89. Construction Estimate closed on 31st March 1889—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1138, dated 16th July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
2. Leave and Pension Allowances...	5,679	61	5,740

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

ASUNDI TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.	I.—EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				1. Head Works ...	219	...	219
1. Water-rates from Irrigation ...	17,306	769	18,075	II.—MAINTENANCE AND REPAIRS.			
5. Plantations... ...	1,685	...	2,622	1. Head Works ...	23,290	277	23,567
6. Other canal produce		937		3. Distributaries ...	2,043	...	2,043
10. Fines	19	...	19	Total ...	25,333	277	25,610
11. Miscellaneous Receipts	38	...	38	IV.—ESTABLISHMENT.			
Total ...	19,048	1,706	20,754	1 & 2. Direction and Accounts ...	1,239	195	21,839
II.—INDIRECT RECEIPTS.				3. Executive	20,405		
Irrigation share of Land Revenue collected in the Civil Department ...	19,706	687	20,393	Total ...	21,644	195	21,839
				V.—TOOLS AND PLANT ...	513	6	519
				Total ...	47,709	478	48,187
Total, Receipts ...	38,754	2,393	41,147	Share of Collection Charges in the Civil Department	2,858	107	2,965
				Indirect Charges debitable to Revenue Account as per Account No. 5	3,040	27	3,067
				Total, Charges ...	53,607	612	54,219
				Balance Net Revenue ...	—14,853	1,781	—13,02
Grand Total ...	38,754	2,393	41,147	Grand Total ...	38,7	2,393	41,1474

N. B.—Last Capital Account detailed in the Administrative Accounts for 1889-90. Construction Estimate closed on 31st March 1890—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1138, dated 16th July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.
REVENUE—			
1. Capitalized Abatement of Land Revenue	9	.....	9
2. Leave and Pension Allowances	3,031	27	3,058
Total ...	3 040	27	3067

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

DHARMA CANAL.

CANAL PROJECT.

No. 2.—Capital Account for, and to end of, 1918-1919.

Heads of Account.	Direct Charges.			Cost of construction as now estimated.	Expenditure against closed estimates.
	Previous.	1918-1919.	Total.		
I.—WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.
(1)—*Head Works.*					
K. Buildings	2,286	...	2,286	2,286	...
(2)—*Main Canals and Branches.*					
A. Preliminary Expenses	1,775	...	1,775	1,775	...
B. Land	476	...	476	476	...
D. Regulators	18,393	134	18,527	18,607	...
F. River and Hill Torrent Works ...	18,439	72	18,511	18,523	...
G. Bridges	868	...	868	875	...
H. Escapes	7,694	—184	7,510	7,514	...
K. Buildings	3,385	...	3,385	3,386	...
L. Earth-work	16,269	159	16,428	17,022	...
O. Miscellaneous	4,355	2,220	6,575	7,334	...
Total, Main Canals and Branches ...	71,654	2,401	74,055	75,512	...
Total, I.—Works ...	73,940	2,401	76,341	77,798	...
II.—ESTABLISHMENT.					
1 & 2. Direction and Accounts	3,781	496	16,270	16,624	...
3. Executive	11,993				
Total, Establishment ...	15,774	496	16,270	16,624	...
III.—TOOLS AND PLANT ...	1,046	57	1,103	1,160	...
Grand Total ...	90,760	2,954	93,714	95,582	...
V.—*Less* Receipts on Capital Account	...	...	...	...	...
Net Outlay ...	90,760	2,954	93,714	95,582	...
APPORTIONMENT.					
Chargeable to 43—Minor Works and Navigation	90,760	2,954	93,714	95,582	...

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

DHARMA CANAL.

CANAL PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.				II.—MAINTENANCE AND REPAIRS.			
1. Water-rates from Irrigation ...	8,898	4,697	13,595	1. Head Works ...	5,425	2,292	7,717
6. Other canal produce.	21	...	21	2. Main Canals and Branches ...	2,071	...	2,071
11. Miscellaneous Receipts ...	411	298	709	Average expenditure before Improvements .	—6,950	—1,390	—8,340
Total ...	9,330	4,995	14,325	Total ...	546	902	1,448
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department.	90,975	18,195	1,09,170	IV.—ESTABLISHMENT.			
				1 & 2. Direction and Accounts ...	251	1,143	7,167
Average Indirect Revenues as per Government Resolution No. A.I.—1650, dated 16th August 1911 ...	—1,15,780	—23,156	—1,38,936	3. Executive ...	5,773		
				Total ...	6,024	1,143	7,167
Total ...	—24,805	—4,961	—29,766	V.—TOOLS AND PLANT ...	57	55	112
				Total ...	6,627	2,100	8,727
Total Receipts ...	—1 ,475	34	—15,441	Share of Collection Charges in the Civil Department ...	—2,015	—246	—2,261
				Indirect Charges debitable to Revenue Account as per Account No. 5	844	160	1,004
				Total Charges ...	5,456	2,014	7,470
				Balance Net Revenue ...	—20,931	—1,980	—22,911
Grand Total ...	—15,475	34	—15,441	Grand Total ...	—15,475	34	—15,441

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

DHARMA CANAL.

CANAL PROJECT.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars.	Previous.	1918-1919.	Total.
CAPITAL—	Rs.	Rs.	Rs.
1. Capitalized Abatement of Land Revenue ...	2	.....	2
2. Leave and Pension Allowances ...	2,208	69	2,277
Total ...	2,210	69	2,279
REVENUE—			
2. Leave and Pension Allowances ...	844	160	1,004

No. 6.—Statement comparing Charges to date with Sanctioned Estimates.

Particulars.	Charges against closed Sanctions.			Current Sanctions.			Total charges to date against old and current Sanctions.	Remarks.
	Expenditure against construction Estimate.	Expenditure against Open Capital Sanctions.	Total.	Charges to date.	Amount of sanctioned Estimate.	Unspent balance of Estimate.		
DIRECT CHARGES.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Works ...	...	...	...	76,341	77,798	1,457	76,341	
Establishment ...	...	...	...	16,270	16,624	354	16,270	
Tools and Plant ...	...	...	...	1,103	1,160	57	1,103	
Total ...	...	...	...	93,714	95,582	1,868	93,714	
Less—Receipts on Capital Account.	...	...	...	...	...	...	...	
Net Total ...	...	...	...	93,714	95,582	1,868	93,714	Revised Estimate sanctioned in Government Resolution No. W. I. 4695 (P. W. D.), dated 4th May 1910.
INDIRECT CHARGES.								
Capitalized Abatement of Land Revenue ...	...	...	...	2	425	423	2	
Leave and Pension Allowances ...	...	...	...	2,277	2,327	50	2,277	
Total ...	...	...	...	2,279	2,752	473	2,279	
Grand Total ...	...	...	...	95,993	98,334	2,341	95,993	

IRRIGATION BRANCH. **BOMBAY PRESIDENCY.**

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

MAVINKOP TANK.

TANK PROJECT.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipt.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
	Rs.	Rs.	Rs.	I.— EXTENSIONS AND IMPROVEMENTS.	Rs.	Rs.	Rs.
I.—DIRECT RECEIPTS.							
5. Plantations ...	28	...	28	1. Head Works ...	1,440	...	1,440
6. Other canal produce.		...		3. Distributaries ...	158	...	158
				Total ...	1,598	...	1,598
11. Miscellaneous Receipts	169	...	169	II.—MAINTENANCE AND REPAIRS.			
				1. Head Works ...	4,059	164	4,223
Total ...	197	...	197	3. Distributaries ...	348	...	348
				Total ...	4,407	164	4,571
II.—INDIRECT RECEIPTS.				IV.—ESTABLISHMENT.			
Irrigation share of Land Revenue collected in the Civil Department.	57,133	2,279	59,412	1 & 2. Direction and Accounts ...	275	116	4,796
				3. Executive ...	4,405		
				Total ...	4,680	116	4,796
Total ...	57,133	2,279	59,412	V.—TOOLS AND PLANT.	17	4	21
				Total ...	10,702	284	10,986
Total Receipts ...	57,330	2,279	59,609	Share of Collection Charges in the Civil Department ...	5,722	228	5,950
				Indirect Charges debitable to Revenue Account as per Account No. 5	656	16	672
				Total Charges ...	17,080	528	17,608
				Balance Net Revenue ...	40,250	1,751	42,001
Grand Total ...	57,330	2,279	59,609	Grand Total ...	57,330	2,279	59,609

N.B.—Last Capital Account detailed in the Administrative Accounts for 1901-02. Construction Estimate closed on 31st March 1882—*vide* Government Resolution No. 1411, dated 12th September 1893. Completion Report approved in Government Resolution No. 1138, dated 16th July 1894.

No. 5.—Account of Indirect Charges for, and to end of, 1918-1919.

Particulars	Previous.	1918-1919.	Total.
REVENUE—	Rs.	Rs.	Rs.
2. Leave and Pension Allowances	656	16	672

IRRIGATION BRANCH. BOMBAY PRESIDENCY.

PUBLIC WORKS DEPARTMENT.

ADMINISTRATIVE ACCOUNTS FOR THE YEAR 1918-1919.

43.—MINOR WORKS AND NAVIGATION.

WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.

SIND.

No. 3.—Revenue Account for, and to end of, 1918-1919.

Receipts.	Total.			Charges.	Total.		
	Previous.	1918-1919.	Total.		Previous.	1918-1919.	Total.
I.—DIRECT RECEIPTS.	Rs.	Rs.	Rs.		Rs.	Rs.	Rs.
1. Water-rates from Irrigation ...	4,65,840	23,840	4,89,680	I.—EXTENSIONS AND IMPROVEMENTS ...	22,37,840	61,674	22,99,514
3. Sales of water ...	1,098	72	1,170				
4. Water-supply of towa ...	1	...	1				
5. Plantations ...	2,68,957	1,266	2,81,419	II.—MAINTENANCE AND REPAIRS ...	96,95,858	6,07,089	1,03,02,947
6. Other canal produce		11,196					
8. Navigation	32	10	42				
9. Rents of buildings.	30,354	3,211	33,565				
10. Fines	35,731	775	36,506				
11. Miscellaneous Receipts ...	4,03,455	18,246	4,21,701	IV.—ESTABLISHMENT.			
Receipts from 1874-75 to 1899-1900.	12,02,054	...	12,02,054	1 & 2. Direction and Accounts ...	5,02,000	1,49,368	25,09,198
Total ...	24,07,522	58,616	24,66,138	3. Executive	18,57,830		
II.—INDIRECT RECEIPTS.							
Irrigation share of Land Revenue collected in the Civil Department ...	4,24,59,693	16,45,276	4,41,04,969	Total ...	23,59,830	1,49,368	25,09,198
4 per cent. on 9/10ths of the proceeds from sales of occupancy rights per Government of India Nos. 53 and 58-A. I., dated respectively 20th June and 1st Aug. 1889, communicated in Government Resolution No. 1209, dated 10th July, and No. 1913, dated 7th November 1889.	7,79,970	50,681	8,30,651	V.—TOOLS AND PLANT ...	1,224	—10,557	—9,333
				VI.—REFUNDS OF REVENUE ...	23	387	410
				Suspense Accounts ...	—463	—2,036	—2,499
Receipts from 1874-75 to 1899-1900 ...	4,71,38,677	...	4,71,38,677	Total ...	1,42,94,312	8,05,925	1,51,00,237
Total ...	9,03,78,340	16,95,957	9,20,74,297				
Total Receipts ...	9,27,85,862	17,54,573	9,45,40,435	Share of Collection Charges in the Civil Department	25,97,947	1,00,200	26,98,147
Note.—Loss to the canal on account of difference between asssessment of water-rates on Jághir lands and assessment at the ordinary rates in force for Government lands noted here per Government of India letter No. 233-I., dated 14th June 1883, communicated under Government Resolution No. 400, dated 11th August 1883.				Indirect Charges debitable to Revenue Account as per Account No. 5	*	*	*
				Receipts from 1874-75 to 1899-1900 ...	2,22,85,677	...	2,22,85,677
Rs.							
To end of 1917-1918 ... 36,83,058							
Loss for 1918-1919 ... 1,23,717							
Total ... 37,86,775				Total Charges ...	3,91,77,936	9,06,125	4,00,84,061
				Balance Net Revenue ...	5,36,07,926	8,48,418	5,44,56,374
Grand Total ...	9,27,85,862	17,54,573	9,45,40,435	Grand Total ...	9,27,85,862	17,54,573	9,45,40,435

* Not calculated in respect of works for which only Revenue Accounts are kept.

N.B.—This account has been prepared in accordance with the instructions contained in Government of India's No. 686-C.W.I., dated 10th June 1901, communicated in Government Resolution No. A. I.—1453, dated 12th July 1901.

BOMBAY: PRINTED AT THE GOVERNMENT CENTRAL PRESS.

STATISTICAL STATEMENTS

FOR

IRRIGATION WORKS, DECCAN AND GUJARAT,

FOR THE YEAR 1918-1919.

STATEMENT

Statement of Canals in the Bombay

Source of Supply of Water.	(1) Pravara Right Bank Canal.	(2) Girna Left Bank Canal.	(3) Godávari Canals. Godávari Right Bank Canal.	(3) Godávari Canals. Godávari Left Bank Canal.	(4) Nira Left Bank Canal.	(8) Nira Right Bank Canal.	(9) Háthmati and Khári Cut Canals combined. Háthmati Canal.	(9) Háthmati and Khári Cut Canals combined. Khári Cut Canal.
	Pravara River.	Girna River.	Godávari River.		River Nira and Reservoir at Bhátghar.	River Nira and Reservoir at Vir.	Háthmati River.	Khári River.
Minimum discharge per second. C. ft. per second.	K. 15·00	K. 38·00	K. 29·00	K. 63·00	K. 1,318	Under construction.	K. 23	8
	R. 10·00	R. 43·73	R. 75·00	R. 48·00	R. 34		R. 19	7
	H.W. 17·00	H.W. Supplied from Chankapur Tank.	H.W. 92·00	H.W. 71·00	H. 5		H.W. 37	23
Maximum discharge of canal. „ ...	K. 120·00	K. 75·88	K. 288·00	K. 190·00	456		K. 358	298
	R. 63·00	R. 57·61	R. 340·00	R. 208·00			R. 47	72
	H.W. 168·00	H.W. 64·99	H.W. 270·00	H. 139·00			H.W. 128	
Average annual rainfall ... Inches.	21·64	19·08	18·64	19·96	20·91	145†	K. 24·01	24·55
							R. 0·73	0·78
Gross area commanded ... Acres.	73,763	18,982	144,310	88,080	274,447	600,000	44,744	32,000
Culturable do. ... „	60,000	15,109	136,390	83,000	227,670	480,000	28,840	20,000
Area irrigable by complete project ... ... „	45,000	§ 8,500	49,331	30,109	113,280	113,800	11,336	16,000
Area irrigable at present ... „	24,656	5,100	49,331	30,109	113,280	.....	8,000	16,000
Sanctioned Estimate—								
Direct charges ... ... Rs.	1,11,20,711	18,88,840	95,46,098		57,34,655	2,49,71,868	4,94,705	5,79,678
Indirect charges ... ... „	5,49,881	64,232	4,90,702		3,69,780	8,00,631	30,000	30,651
Interest during construction . „	.....	.....	... ..		28,44,872	.....	2,37,687	.....
Total, Estimate ... Rs.	(a) 1,16,70,592	19,53,072	(a) 1,00,36,800		89,49,307‡	2,57,72,499	7,62,392	6,10,329
Expenditure to end of 1918-19. Direct charges ... Rs.	81,19,803	18,75,204	96,03,059		61,69,237	1,42,58,698	4,90,925	7,50,058
Indirect charges „	2,59,327	62,001	4,91,716		3,68,596	3,24,403	26,913	47,207 870
Interest during construction ... „	13,20,515	7,84,359	27,15,488		31,56,403	17,23,858	2,37,687	.....
Total Expenditure ... Rs.	96,99,645	27,21,564	1,28,10,263		96,94,236‡	1,63,06,959	7,55,525	7,98,135
Works as now sanctioned—								
Main Canals, Irrigation ... Miles.	33	13·11	70½	48	100·25	110	21	31
Branch Canals do. ... „	.....	.....	.....	.....	.....	.....	.....	
Distributaries ... ... „	13	9·80	48	9·46	139·00	.....	25	27
Of above—								
Navigable Channels ... Miles.	.....	.....	.....	.....	.....	.....	.....	.....
Works completed at end of 1918-1919—								
Main Canals, Irrigation ... Miles.	33	13·11	70½	48	100·25	.....	21	31
Branch Canals do. ... „	.....	.....	.....	.....	.....	.....	.....	8
Distributaries ... ... „	13	9·93	48	9·46	139·00	.....	30	29½
Of above—								
Navigable Channels ... Miles.	.....	.....	.....	.....	.....	.....	.....	.....

(a) These are for the whole Project.

* These figures are for the Old Ojar Left Bank Canal.

† Estimated rainfall in the catchment.

‡ These figures do not include the amount for widening the Nira Left Bank Canal.

§ Revised by the Executive Engineer, Násik Irrigation District as per Part III on page 4 of the accompaniments to Government Resolution No. W. I.—3923 of 11th April 1917.

¶ 2¼ miles are added for Munshiwali branch which is completed during the year.

I-A.

Presidency, excluding Sind, for the year 1918-1919.

(11) Ka'dva River Works.			(12) Lákh Canal.	(15) Krishna Canal.	(23) Jámda Canals.	(25) Pravara Left Bank Canal.	(33) Revári Canal.	(36) Chikhli Canal.	(40) Gokák Canal, 1st Section, and Storage Works.	(46) Dharma Canal.
Pálkhed Canal.	Ojhar Támbat Canal.	Wadáli Canal.								
Kádva River.	Bánganga River.	Kádva River.	Pravara River.	River Krishna.	Girna River.	Pravara River.	River Wárna.	River Nándni.	River Ghatapraibha and Storage works.	Dharma River.
K. 7·89	K. 2·34	K. 5·58	K. 6·66	K. 900·64	K. 22·08	K. 41·00	K. 2·52	K. Dry.	K. Flood.	K. Information not available.
R. } Supplied from Waghád tank	R. } Supplied from Waghád tank.	R. 3·48	R. 0·46	R. 15·40	R. 25·92	R. 16·00	R. 2·54	R. „	R. 23·08	R. Nil.
H.W. }	H.W. }	H.W. 4·86	H. W. 8·21	H.W. 41·00	H. W. 72·96	H. W. Nil.	H. 4·61	H. 0·78	H. *Nil*	H. Nil.
					Left Bank. Right Bank.				Canal. Mills.	
K. 37·80	K. 10·71	K. 15·85	K. 19·19 }	}	K. 119·28 21·73	K. 127·00 }	}		K. 66 68	K. 261·51
R. 33·78	R. 10·15	R. 14·38	R. 12·10 }	114·00 {	R. 67·57 32·72	R. 40·00 }	5·65	17·36	R. 66 68	R. Nil.
H. W. 33·68	H. W. 11·34	H.W. 14·65	H.W. 20·01 }	}	H.W. 103·41 33·23	H W. Nil. }	}		H.W 36·50 68	H. Nil.
26·14	19·27	20·01	22·40	27·68	25·22	22·08	25·46	20·68	Dhupdal 27·60 Gokák 28·32	79·72
					Left Bank. Right Bank.					
28,832	8,055	3,486	29,913	28,327	37,122 9,166	23,724	3,813	1,871	18,668	13,562
26,280	7,421	2,729	25,536	26,453	33,124 7,061	21,155	3,624	1,478	17,627	12,870
23,466	6,824	2,433	22,760	12,320	3,500 1,500	20,088	1,920	1,478	17,627	12,870
9,837	2,367	2,433	11,280	12,320	3,500 1,500	14,763	1,920	1,478	17,627	12,870
2,38,087	14,541	29,771	3,75,189	8,29,067	10,27,238	3,25,902	56,324	53,803	13,19,115	95,582
15,761	833	1,540	20,277	48,216	61,402	22,309	3,124	3,612	76,902	2,752
2,12,554	2,411	32,150	3,65,298	7,83,613	.....	...	...	...	1,44,865	.....
4,66,402	17,785	63,461	7,60,764	16,60,896	10,88,640	* 3,48,211	59,448	57,415	15,40,882	98,334
2,71,376	7,186	28,291	3,52,446	8,92,977	9,91,178	3,24,317	56,771	53,803	13,01,750	93,714
17,216	647	2,354	19,445	51,482	49,911	23,233	3,040	3,639	80,172	2,279
3,17,565	5,044	45,031	3,55,414	7,83,061	.....	...	...	...	2,41,093	.....
6,06,157	12,877	75,676	7,27,305	17,27,520	10,41,089	3,47,550	59,811	57,442	16,23,015	95,993
11	8	8·62	23	35·25	39	19	5·66	6·50	4·10	19·00
.....	.....	...	...	26·25	.....	...	5·25	...	12·03	8·15
21·50	.....	...	11	...	75	25	...	...	35·43	3·71
.....	.....	...	...	...	.....	...	...	...	.....	.....
11	4·50	8·62	23	35·25	39	19	5·00	6·50	4·10	19·00
.....	.....	...	...	28·62	.....	...	5·25	...	12·03	8·15
14·36	.....	...	9·37	...	75	21	...	...	35·43	3·71
.....	.....	...	...	...	.....	...	....	...	.....	.....

STATEMENT

Statement of Reservoir Projects in the

	(2)	(3)	(4)	(4)A	(5)	(10)	(11)	(13)	(13)A	(14)	(16)	(17)		(18)	(19)	(20)
	Chankapur Tank.	Dárna Reservoir.	Bhátghar Reservoir, Nira Canal.	Shetphal Tank.	Mhasvad Tank.	Lower Pánjhra River Works and Mukti Tank.	Kádva River Works (Wághad Tank).	Mutha Reservoir, Lake Fife.	Mátoba Tank.	Ekrúk Tank.	Wangroli Tank.	Tranza Tank.	Nagramma Tank.	Sávli Tank.	Sahiat Tank.	Futelao Tank.
Source of Supply.	Girna River.	Dárna River.	Yelvandi River, Ghát Catchment.	Nira Canal.	Mán River.	Local Streams	Kolvan River, Ghat Catchment.	Mutha River, Ghat Catchment.	Small Nala and Mutha Right Bank Canal.	Adhela River.	Kharwa Nála.	Mátar Drainage Channel.		Gadia Tank.	Sahiat Nála.	Futelao Nala.
If supplied by rainfall. Area of catchment ... Sq. miles.	100·00	156	128	2·33	480	34·2	29	196	10	159	13	Nil. †	†1·5	11	12·5	7
If supplied by rainfall. Average annual rainfall ... Inches.	35·70	36·95	* 145	19·05	10·70	20·60	47·66	* 138	16·42	29	27·63	24·53	24·53	26·92	24·62	27·97
Contents of tanks between levels of surface of full supply and sill of canal head sluice. Millions of cubic feet.	1,548	8,818·30	5,313	572	2,601	324	606	(h) 3,447	(j) 220	3,310	212·00	79·97	97·14	‡ 172·27 (§) 210·00	130	56
Area of surface at full supply. Acres and decimals.	1,043·49	8,584·02	4,775	893	4,013·80	509	778	3,753	417·46	4,551	596·87	196·00	273·00	557·00	662·61	193·5
Gross area commanded . Acres.	(a)...	232,399	No irrigation direct from the Reservoir.	(c)25,000	129,045	13,117	(g)...	94,087	10,700	17,152	5,000	1,000	500	4,700	4,000	1,500
Culturable do. ... „	(a)...	219,390		(c)25,000	106,214	12,627	(g)...	(i)49,800	7,133	16,941	5,000	888	402	4,700	4,000	1,200
Area irrigable by complete project. „	(a)...	79,440		4,200	24,800	12,627	(g)...	16,800	3,250	16,941	3,000	500	300	3,000	2,000 to 2,500	840
Do. at present. „	(a)...	79,440		4,200	24,800	12,627	(g)...	16,800	3,250	16,941	3,400	500	300	3,000	2,000	800
Wells supplied by tanks. No.	...	...		...	12	Nil.	...	...	...	...	Nil.	Nil.	Nil.	Nil.	Nil.	Nil.
Sanctioned Estimate—																
Direct Charges ... Rs.	(a)...	(a)...	(a)...	7,04,442	20,24,327	4,44,486	4,67,662	64,62,810	1,93,000	12,28,243	2,01,575	2,61,048		2,25,703	1,54,133	1,02,116
Indirect Charges ... „	(a)...	(a)...	(a)...	46,435	1,03,947	22,774	16,835	2,56,743	17,500	1,06,687	46,969	51,686		23,519	32,649	8,669
Interest during construction ... „	(a)...	(a)...	(a)...	55,157	6,56,222	2,37,421	2,17,233	56,54,209	...	8,00,650	Nil.	Nil.		Nil.	Nil.	Nil.
Total Estimate ... Rs.	(a)...	(a)...	(a)...	8,06,034	27,84,496	7,04,681	7,06,730	1,23,73,762	2,10,500	21,35,580	2,48,544	3,12,734		2,49,222	1,86,782	1,10,785
Expenditure to end of 1918-19. Direct Charges. Rs.	(a)...	(a)...	(a)...	(a)...	20,05,553	4,45,382	6,64,888	62,39,003	Included in the Mutha Canal.	12,28,117	2,40,227	2,38,032		2,34,179	1,58,452	1,07,356
Expenditure to end of 1918-19. Indirect Charges. „	(a)...	(a)...	(a)...	(a)...	90,463	23,239	42,233	2,95,141		1,12,269	50,768	41,576		21,031	25,577	9,104
Expenditure to end of 1918-19. Interest during construction ... „	(a)...	(a)...	(a)...	(a)...	14,45,492	4,18,839	4,45,241	56,50,549		10,27,893	Nil.	Nil.		Nil.	Nil.	Nil.
Total Expenditure ... Rs.	(a)...	(a)...	(a)...	(a) ..	35,41,508	8,87,460	11,52,362	1,21,84,693	...	23,68,279	2,90,995	2,79,608		2,55,210	1,84,029	1,16,460
Works as now sanctioned—																
Dam (earth or masonry) ...	Masonry	Masonry	Masonry.	Earth.	Earth.	Earth.	Earth.	Masonry.	Earth.	Earth.	Earth.	Earth.	Earth.	Earth.	Earth.	Earth.
Total height ... Feet.	92	92	127(c) 108(d)	66	79·79	65	95	97·84	48·41	76	27·18	15·84	17·12	37·5	22·14	34·60
Canals ...Miles.	(b)...	118½	See statement No. I-A.	6·54	(f) 66·25	...	(g)...	88	...	48	13·79	5·35	2·25	8·35	9·25	4·48
Distributaries ... „	(b)...	57·16		...	43·36	45	(g)...	70	17	1·68	...	...	...	1·32	0·85	...
Works completed at end of 1918-19—																
Dam (height completed) ... Feet.	92	92	127(c) 108 d)	66	79·79	65	96	97·84	48·41	76	27·18	15·84	17·12	37·5	22·14	34·60
Canals ...Miles.	(b)...	118½	See statement No. I-A.	6·54	(f)66·25	...	(g)...	88	...	48	¶17·26	5·35	2·25	8·35	9·25	3·98
Distributaries ... „	(b)...	57·46		...	43·36	45	(g)...	67	17	1·68	...	...	...	1·32	(@)1·79	...

* Estimated rainfall in the catchment.
† The catchment area of the drainage channel is 13 square miles in addition.
‡ At provisional F. S. L. R. L. 103·50.
§ At original F. S. L. R. L. 105·00.
¶ The lengths of the Bhalada high level canal, chainage 99, Jargal branch, chainage 49 and extension of Sandheli branch, chainage 35, have now been added.
(a) Figures given in Statement I-A.
(b) The tank supplies the Girna Left Bank Canal and bandharas there below.
(c) Above lowest foundation.
(d) Above lowest point in river bed.
(e) This area is also commanded by the Nira Left Bank Canal.
(f) Includes 38½ miles of Branch Canal.
(g) The tank supplies the Pálkhed, Ojhar Támbat, and Wadáli Canals and their distributaries as noted in Statement I-A.
(h) Storage available after deducting 508 m. cft. which cannot be used on account of the Poona water-supply.
(i) Includes 7,133 commanded by Matoba Tank.
(j) After deducting silt deposits.
(k) The contents at present, after deducting silt, are 75·82 m. cft.
(l) Gauged at the respective stations.
(m) Assumed.
(n) Gauged in the catchment area.
(@) The length of the channel distributary had remained to be included.

II-A.

Bombay Presidency, excluding Sind, for 1918-1919.

(21)	(22)	(24)	(26)	(27)	(28)	(29)	(30)	(31)	(32)	(34)	(35)	(37)	(38)	(39)	(40)	(41)	(42)	(43)	(44)	(45)
Hartála Tank.	Mhasva Tank.	Parsul Tank.	Bhátodi Tank.	Kásurdi Tank.	Shirsuphal Tank.	Bhádaivádi Tank.	Koregaon Tank.	Ashti Tank.	Páthri Tank.	Upper Mán River Works (Pingli Tank).	Yerla River Irrigation Works (Nehr Tank).	Malni Tank.	Muchkundi Tank.	Gadikeri Tank.	Gokák Canal, 1st Section, and Storage Works.	Dambal Tank.	Medleri Tank.	Madag Tank.	Asundi Tank.	Mávinkop Tank.
Local Streams.	Local Streams.	Parsul River.	Mehekri River.	Kásurdi Nála.	Deccan Tributary of the Bhima River.	Deccan Tributary of the Bhima River.	Nála.	Ashti Nála.	Yerai River.	Mán River.	Yerla River.	Wanga Nála	Muchkundi Nála.	Nála.	Ghataprabha River, Ghat Catchment.	Nála.	Medleri Nála.	Kumudwati River.	Nála.	Nála.
6·80	13·40	17·33	44	6	23	23	7	92	27·5	20·00	59·55	51·70	26·00	4·68	1,080	43	11	540	23	6·25
26·16	27·71	17·53	28·92	17·79	16·97	19·74	27·99	24·90	29·37	17·81	24·06	24·29	18·17	26·14	(a) ...	(b)19·96 (n)21·75	(?) 19·86	(l) 29·75 (n) 42·13	(l) 23·84	(m) 39·01
134	172	118·70	(k) 154	(j) 9·14	(j) 356·64	(j) 190·77	104	1,419	407	192	489·77	183·60	624	27·50	907·182	113·66	57·60	54·63	74	45·75
472	421	151	315	379	833·79	335·18	202	2,830	681	349·04	676·09	427·76	1,059	129·00	2,731·86	442	169	362	418	170·5
584	4,647	3,337	15,126	597	4,500	3,000	2,394	17,882	5,000	8,443	11,234	4,876	5,570	687	(a)	3,000	1,916	2,851	1,800	872
527	4,075	3,197	13,657	478	2,500	2,400	2,394	16,825	4,586	7,623	10,630	4,625	5,417	Not known.	(a)	2,500	830	1,345	1,011	755
415	1,700	1,000	12,124	150	1,800	2,000	1,050	11,780	2,500	2,080	6,000	4,625	3,417	450	(a)	2,500	1,052	2,186	1,011	755
415	1,700	1,000	12,124	150	1,800	2,000	1,050	11,780	2,500	2,080	5,480	4,625	750	417	(a)	1,000	600	1,345	1,011	617
...	...	...	...	...	...	...	...	...	...	29	28	18	Nil.	Not known.	41	Uncertain.	Nil.	Nil.	Nil.	Nil.
48,890	1,29,813	2,15,366	3,51,767	40,812	2,09,460	2,14,382	40,731	7,54,250	6,43,141	4,16,341	6,96,754	3,68,000	1,48,200	16,990	(a)	61,162	78,237	2,32,263	67,731	30,379
26,150	10,202	8,246	26,511	4,778	12,822	14,342	1,318	80,677	29,715	28,190	48,560	22,492	20,220	541	(a)	3,744	3,468	17,144	12,754	4,005
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(a)	...	...	...	...	...
75,040	1,40,015	2,23,612	3,78,278	45,590	2,22,282	2,28,724	42,049	8,34,927	6,72,856	4,44,531	7,45,314	3,90,492	1,68,420	17,531	(a)	64,906	81,705	2,49,407	80,485	34,384
47,948	1,28,781	2,08,607	3,52,685	40,812	2,12,199	2,13,115	37,923	7,57,050	6,27,825	4,15,335	7,19,542	4,62,125	1,40,217	16,363	(a)	60,847	78,354	1,61,248	69,741	30,155
25,434	10,175	6,988	27,622	4,778	12,369	14,307	1,266	79,041	15,021	23,451	45,328	25,525	18,490	555	(a)	3,133	3,038	6,350	14,254	3,319
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	(a)	...	...	...	...	...
73,382	1,38,956	2,14,995	3,79,707	45,590	2,24,568	2,27,422	39,189	8,36,091	6,42,846	4,30,286	7,64,870	4,87,650	1,58,707	16,918	(a)	63,980	81,392	1,67,598	74,995	33,534
Earth.	Earth.	Earth.	Masonry	Earth.	Earth.	Earth.	2 dams, 1 earth & 1 masonry.	Earth.	Earth.	Earth	Earth.	Earth.	Masonry	Earth.	Masonry.	Earth.	Earth	Earth.	Earth.	Earth.
51·50	44	62·27	50	33·45	54·32	55·09	71 & 16	57·75	63·75	53·50	74	57·33	60·00	20·00	27 ft. (maximum above foundation).	42·25	41	100	33·95	30·53
...	...	...	4·50	...	...	...	3·75	27·50	4·66	17·50	33·33	9·25	5·5	Irrigation Channels.	16·13	...	...	9	...	...
5·50	7	4·75	5·50	1·75	12·50	9·75	...	3·15	3·33	6·50	4	7·58	2·25		35·43	3·27	5·64	...	4·86	2·79
51·50	44	62·27	50	33·45	54·32	55·09	71 & 16	57·75	63·75	53·50	74	57·33	60	20	27	42·25	41	100	33·95	30·53
...	...	...	4·50	...	...	...	3·75	27·50	4·66	17·50	33·33	9·25	5·5	Irrigation Channels.	4·10 Main Canal 12·03. Wadarhatti Branch, 35·43	...	...	9	...	...
5·50	7	4·75	5·50	1·75	12·5	9· 5	...	3·15	3·33	6·50	4	7·58	2·25			3·27	5·64	...	4·86	2·73

STATEMENT

Capital Account of Irrigation Works in Deccan

Name of Work.	During Year.								
	Direct Charges.						Indirect Charges.		
	Works.	Establishment.	Tools and Plant.	Total.	Deduct—Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.
1	2	3	4	5	6	7	8	9	10
MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
35.—Protective Irrigation Works.									
In Operation.									
1. Pravara River Canal	6,15,215	1,48,878	13,226 (a) −104	7,77,215	1,377	7,75,838	1,200	20,843	22,043
2. Chankápur Tank	15,513	3,754	333	19,600	...	19,600	...	526	526
3. Godávari Canals	33,617	8,135	723	42,475	...	42,475	259	1,139	1,398
4. Nira Canal and Shetphal Tank ...	7,817	1,891	168 (a) 103	9,979	...	9,979	...	265	265
5. Mhasvad Tank	...	...	...	...	...	...	...	...	...
Total ...	6,72,162	1,62,658	14,450 (a)—1	8,49,269	1,377	8,47,892	1,459	22,773	24,232
Under Construction.									
6. Máládevi Tank	...	...	...	...	...	...	...	...	...
7. Budhial Tank	335	39	10	384	211	173	...	5	5
8. Nira Right Bank Canal	13,96,810	3,38,018	30,027 (a) 39,124	18,03,979	2,257	18,01,722	2,000	47,323	49,323
Total ...	13,97,145	3,38,057	30,037 (a) 39,124	18,04,363	2,468	18,01,895	2,000	47,328	49,328
Total, Protective Works ...	20,69,307	5,00,715	44,487 (a) 39,123	26,53,632	3,845	26,49,787	3,459	70,101	73,560
49.—IRRIGATION WORKS.									
Productive Works.									
9. Háthmati and Khári Cut Canals ...	...	...	...	...	...	...	...	...	...
10. Lower Pánjhra River Works	...	...	...	...	...	...	...	...	...
11. Kádva River Works	...	...	...	...	...	...	...	...	...
12. Pravara River Works—Lákh Canal ...	...	...	...	...	...	...	...	...	...
13. Mutha Canals and Mátoba Tank ...	−4,58,745	−45,810	−9,861	−5,14,416	...	−5,14,416	...	−6,413	−6,413
14. Ekruk Tank	...	...	...	...	...	...	...	...	...
15. Krishna Canal	...	...	...	...	...	...	...	...	...
Total, Productive Works ...	−4,58,745	−45,810	−9,861	−5,14,416	...	−5,14,416	...	−6,413	−6,413
Total, Major Works ...	16,10,562	4,54,905	34,626 (a) 39,123	21,39,216	3,845	21,35,371	3,459	63,688	67,147
43.—MINOR WORKS AND NAVIGATION.									
In Operation.									
16. Wangroli Tank	...	...	...	...	...	...	...	...	...
17. Tranza-Nagramma Tanks	...	...	...	...	...	...	...	...	...
18. Savli Tank	...	...	...	...	...	...	...	...	...
19. Sahiat do.	...	...	...	...	...	...	...	...	...
20. Futelao do.	...	...	...	...	...	...	...	...	...
21. Hartála do.	...	...	...	...	...	...	...	...	...
22. Mhasva do.	...	...	...	...	...	...	...	...	...
23. Jámda Canals	...	...	...	...	...	...	...	...	...
24. Parsul Tank	...	...	...	...	...	...	...	...	...
25. Pravara Left Bank Canal	...	...	...	...	...	...	...	...	...
26. Bhátodi Tank	...	...	...	...	...	...	...	...	...
27. Kásurdi do.	...	...	...	...	...	...	...	...	...
28. Shirsuphal do.	...	...	...	...	...	...	...	...	...
29. Bhádalwádi do.	...	...	...	...	...	...	...	...	...
30. Koregaon do.	...	...	...	...	...	...	...	...	...
31. Ashti do.	...	...	...	...	...	...	...	...	...
32. Páthri do.	...	...	...	...	...	...	...	...	...
33. Revári Canal	...	...	...	...	...	...	...	...	...
34. Upper Mán River Works	...	...	...	...	...	...	...	...	...
35. Yerla River Irrigation Works	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...
Carried over ...	16,10,562	4,54,905	34,626 (a) 39,123	21,39,216	3,845	21,35,371	3,459	63,688	67,147

(a) Suspense account.

I-B.

and Gujarát for and to end of 1918-1919.

Grand Total.	To end of Year.									
	Direct Charges.						Indirect Charges.			
	Works.	Establishment.	Tools and Plant.	Total.	Deduct—Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.	Grand Total.
11	12	13	14	15	16	17	18	19	20	21
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
7,9,7881	65,23,728	14,17,361	1,86,929 (a) 8	81,28,026	8,223	81,19,803	60,897	1,98,430	2,59,327	83,79,130
20,126	15,03,913	3,14,747	58,676	18,77,336	2,132	18,75,204	17,297	44,704	62,001	19,37,205
43,873	80,78,974	13,02,326	2,23,785	96,05,085	2,026	96,03,059	3,09,393	1,82,323	4,91,716	1,00,94,775
10,244	48,55,663	11,88,918	1,32,935 (a) 103	61,77,619	8,382	61,69,237	1,84,874	1,83,722	3,68,596	65,37,833
...	15,98,308	3,45,781	62,937	20,07,026	1,473	20,05,553	36,924	53,539	90,463	20,96,016
8,72,124	2,25,60,586	45,69,133	6,65,262 (a) 111	2,77,95,092	22,236	2,77,72,856	6,09,385	6,62,718	12,72,103	2,90,44,959
...	2,42,869	60,546	1,473	3,04,888	2,848	3,02,040	875	9,013	9,888	3,11,928
178	3,98,757	89,656	5,041	4,93,454	1,991	4,91,463	5,741	12,552	18,293	5,09,756
18,51,045	1,15,93,747	18,87,584	6,21,830 (a)1,67,634	1,42,70,795	12,097	1,42,58,698	60,141	2,64,262	3,24,403	1,45,83,101
18,51,223	1,22,35,373	20,37,786	6,28,344 (a)1,67,634	1,50,69,137	16,936	1,50,52,201	66,757	2,85,827	3,52,584	1,54,04,785
27,23,347	3,47,95,959	66,06,919	12,93,606 (a)1,67,745	4,28,64,229	39,172	4,28,25,057	6,76,142	9,48,545	16,24,687	4,44,49,744
...	10,05,076	2,24,187	13,189	12,42,452	1,469	12,40,983	36,598	38,392	74,990	13,15,973
...	3,67,303	74,888	3,228	4,45,419	37	4,45,382	8,694	14,545	23,239	4,68,621
...	7,60,525	1,88,801	22,555	9,71,881	140	9,71,741	31,133	31,317	62,450	10,34,191
...	2,64,529	68,641	19,477	3,52,647	201	3,52,446	5,824	13,621	19,445	3,71,891
-5,20,829	50,92,474	10,41,705	1,18,288 (a) -1,136	62,51,331	12,328	62,39,003	93,528	2,01,613	2,95,141	65,34,144
...	10,07,089	2,12,509	9,713	12,29,311	1,194	12,28,117	69,948	42,321	1,12,269	13,40,386
...	7,35,136	1,55,273	2,568	8,92,977	...	8,92,977	21,822	29,660	51,482	9,44,459
-5,20,829	92,32,132	19,66,004	1,89,018 (a)—1,136	1,13,86,018	15,369	1,13,70,649	2,67,547	3,71,469	6,39,016	1,20,09,665
22,02,518	4,40,28,091	85,72,923	14,82,624 (a)1,66,609	5,42,50,247	54,541	5,41,95,706	9,43,689	13,20,014	22,63,703	5,64,59,409
...	2,11,223	27,921	1,826	2,40,970	743	2,40,227	46,793	3,910	50,703	2,90,930
...	2,22,942	14,168	924	2,38,034	2	2,38,032	40,620	1,983	42,603	2,80,635
...	2,02,183	30,269	1,974	2,34,426	247	2,34,179	16,793	4,238	21,031	2,55,210
...	1,34,805	22,199	1,448	1,58,452	...	1,58,452	22,470	3,107	25,577	1,84,029
...	88,822	17,325	1,209	1,07,356	...	1,07,356	6,680	2,425	9,105	1,16,461
...	33,437	11,936	2,579	47,952	4	47,948	23,052	2,382	25,434	73,382
...	1,01,259	26,399	1,129	1,28,787	6	1,28,781	5,026	5,149	10,175	1,38,956
...	7,86,229	1,91,841	13,129	9,91,199	21	9,91,178	12,015	37,896	49,911	10,41,089
...	1,62,423	42,832	2,823	2,08,078	71	2,08,007	972	6,016	6,988	2,14,995
...	2,34,163	85,770	4,528	3,24,461	144	3,24,317	6,943	16,290	23,233	3,47,550
...	2,73,838	70,183	9,354	3,53,375	690	3,52,685	13,023	13,999	27,022	3,79,707
...	31,433	8,495	884	40,812	...	40,812	3,079	1,699	4,778	45,590
...	1,71,148	38,190	2,861	2,12,199	...	2,12,199	5,137	7,232	12,369	2,24,568
...	1,57,001	53,493	2,621	2,13,115	...	2,13,115	4,067	10,240	14,307	2,27,422
...	30,044	7,661	218	37,923	...	37,923	...	1,266	1,266	39,189
...	6,09,236	1,45,084	8,122	7,62,442	5,392	7,57,050	52,311	26,730	79,041	8,36,091
...	5,21,783	1,00,435	7,403	6,29,621	1,796	6,27,825	960	14,061	15,021	6,42,846
...	47,057	9,693	21	56,771	...	56,771	1,259	1,781	3,040	59,811
...	3,14,286	95,008	6,782	4,16,076	241	4,15,835	5,880	17,571	23,451	4,39,286
...	5,89,656	1,24,186	8,065	7,21,907	2,365	7,19,542	22,684	22,644	45,328	7,64,870
...	49,22,968	11,23,088	77,900	61,23,956	11,722	61,12,234	2,89,764	2,00,619	4,90,383	66,02,617
22,02,518	4,40,28,091	85,72,923	14,82,624 (a)1,66,609	5,42,50,247	54,541	5,41,95,706	9,43,689	13,20,014	22,63,703	5,64,59,409

STATEMENT

Name of Work.	During Year.								
	Direct Charges.						Indirect Charges.		
	Works.	Establishment.	Tools and Plant.	Total.	Deduct—Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.
1	2	3	4	5	6	7	8	9	10
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward ...	16,10,562	4,54,905	34,626 (a) 39,123	21,39,216	3,845	21,35,371	3,459	63,688	67,147
	...	...	...	...	...	...	...	...	...
43—MINOR WORKS AND NAVIGATION—*concluded.*									
In Operation—concluded.									
36. Chikhli Canal	...	...	...	...	...	...	...	...	...
37. Maini Tank	...	...	...	...	...	...	...	...	...
38. Muchkundi do.	...	...	...	...	...	...	...	...	...
39. Gadikori do.	...	...	...	...	...	...	...	...	...
40. Gokák Canal, 1st Section and Storage Works	...	...	...	...	...	...	...	...	...
41. Dámbal Tank	...	...	...	...	...	...	...	...	...
42. Medleri do.	...	...	...	...	...	...	...	...	...
43. Madag do.	...	...	...	...	...	...	...	...	...
44. Asundi do.	...	...	...	...	...	...	...	...	...
45. Mávinkop do.	...	...	...	...	...	...	...	...	...
46. Dharma Canal	2,401	496	57	2,954	...	2,954	...	69	69
Total ...	2,401	496	57	2,954	...	2,954	...	69	69
Under Construction.									
47. Victoria Tank	4,962	1,151	106	6,219	390	5,829	...	161	161
48. Suki River	...	...	...	...	...	...	...	...	...
Total ...	4,962	1,151	106	6,219	390	5,829	...	161	161
In Abeyance.									
49. Gokák Canal, 2nd Section	...	...	...	...	...	...	...	...	...
Total, Minor Works. ...	7,363	1,647	163	9,173	390	8,783	...	230	230
GRAND TOTAL ...	16,17,925	4,56,552	34,789 (a) 39,123	21,48,389	4,235	21,44,154	3,459	63,918	67,377

I-B—*concluded.*

Grand Total.	To end of Year.									
	Direct Charges.						Indirect Charges.			
	Works.	Establishment.	Tools and Plant.	Total.	Deduct—Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.	Grand Total.
11	12	13	14	15	16	17	18	19	20	21
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
22,02,518	4,40,28,091	85,72,923	14,82,624 (a) 1,66,609	5,42,50,247	54,541	5,41,95,706	9,43,689	13,20,014	22,63,703	5,64,59,409
...	49,22,968	11,23,088	77,900	61,23,956	11,722	61,12,234	2,89,764	2,00,619	4,90,383	66,02,617
...	39,984	13,611	208	53,803	...	53,803	917	2,722	3,639	57,442
...	3,43,053	1,16,100	3,512	4,62,665	540	4,62,125	3,875	21,650	25,525	4,87,650
...	1,11,830	26,360	2,294	1,40,484	267	1,40,217	14,386	4,104	18,490	1,58,707
...	13,105	3,118	140	16,363	...	16,363	13	542	555	16,918
...	11,00,148	1,81,106	21,236	13,02,490	740	13,01,750	53,279	26,893	80,172	13,81,922
...	49,262	10,769	878	60,909	62	60,847	1,034	2,099	3,133	63,980
...	61,881	15,324	1,155	78,360	6	78,354	243	2,795	3,038	81,392
...	1,26,596	31,841	2,825	1,61,262	14	1,61,248	...	6,350	6,350	1,67,598
...	48,805	10,881	1,055	60,741	...	60,741	12,536	1,718	14,254	74,995
...	23,738	6,232	353	30,323	138	30,185	2,101	1,218	3,319	33,504
3,023	76,341	16,270	1,103	93,714	...	93,714	2	2,277	2,279	95,993
3,023	69,17,711	15,54,700	1,12,659	85,85,070	13,489	85,71,581	3,78,150	2,72,987	6,51,137	92,22,718
5,990	50,438	10,612	651	61,731	1,360	60,371	2,463	1,491	3,954	64,325
...	12,212	2,749	178	15,139	...	15,139	...	385	385	15,524
5,990	62,650	13,391	829	76,870	1,360	75,510	2,463	1,876	4,339	79,849
...	92,036	70,024	14,246	1,76,306	...	1,76,306	740	13,238	13,978	1,90,284
9,013	70,72,397	16,38,115	1,27,734	88,38,246	14,849	88,23,397	3,81,353	2,88,101	6,69,454	94,92,851
22,13,531	5,11,30,488	1,02,11,038	16,10,358 (a) 1,66,609	6,30,88,493	69,390	6,30,19,103	13,25,042	16,08,115	29,33,157	6,59,52,260

(a) Suspense Account.

C. W. C. CARSON,
Accountant General, Bombay.

STATEMENT

Statement showing the Financial Results of Irrigation Works in

(Realizations under main heads of

Name of Work.	Revenue (Actual Receipts).									
	Irrigation.			Navigation.	Plantations.	Water-power.	Miscellaneous.	Total.	Refunds of Revenue.	Gross Revenue less refunds.
	Water-rate directly paid.	Share of Land Revenue.	Total.							
1	2	3	4	5	6	7	8	9	10	11
Major Works.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
35.—*Protective Irrigation Works.*										
1. Pravara River Canal ...	14,526	...	14,526	...	421	...	296	15,243	...	15,243
2. Chankápur Tank ...	20,296	...	20,296	...	...	...	130	20,426	4	20,422
3. Godávari Canal ...	2,02,022	...	2,02,022	...	667	...	9,481	2,12,170	149	2,12,021
4. Nira Canal and Shetphal Tank ...	2,09,046	...	2,09,046	...	837	...	6,322	2,16,205	17	2,16,188
5. Mhaswad Tank ...	24,074	...	24,074	...	1,269	...	5,408	30,751	...	30,751
Total ...	4,69,964	...	4,69,964	...	3,194	...	21,637	4,94,795	170	4,94,625
49.—Irrigation Works.										
Productive Works.										
9. Háthmati and Khári Cut Canals ...	36,002	...	36,002	...	7	...	5,206	41,215	57	41,158
10. Lower Pánjhra River Works	13,262	2,784	16,046	...	250	...	2,209	18,505	...	18,505
11. Kádva River Works ...	41,039	594	41,633	...	...	...	3,187	44,820	...	44,820
12. Pravara River Works—Lákh Canal ...	1,450	225	1,675	...	125	...	366	2,166	...	2,166
13. Mutha Canals and Matoba Tank ...	80,500	155	80,655	403	2,698	...	2,72,396	3,56,152	172	3,55,980
14. Ekruk Tank ...	31,152	...	31,152	...	1,153	...	82,759	1,15,064	...	1,15,064
15. Krishna Canal ...	30,451	...	30,451	...	...	...	591	31,042	14	31,028
Total ...	2,33,856	3,758	2,37,614	403	4,233	...	3,66,714	6,08,964	243	6,08,721
Total, Major Works ...	7,03,820	3,758	7,07,578	403	7,427	...	3,88,351	11,03,759	413	11,03,346
43.—Minor Works and Navigation.										
16. Wangroli Tank ...	442	3,125	3,567	...	...	...	233	3,800	...	3,800
17. Tranza-Nagramma ...	...	54	54	...	...	...	...	54	...	54
18. Savli Tank ...	96	...	96	...	65	...	50	211	...	211
19. Sahiat do. ...	27	636	663	...	...	...	148	811	...	811
20. Futelao do. ..	151	...	151	...	26	...	81	258	...	258
21. Hartála do. ..	441	...	441	...	...	...	1,411	1,852	...	1,852
22. Mhasva do. ...	771	...	771	...	18	...	1,280	2,069	...	2,069
23. Jámda Canals ...	5,061	...	5,061	...	543	...	724	6,328	...	6,328
24. Parsul Tank ...	4,843	...	4,843	...	...	...	31	4,874	...	4,874
25. Pravara Left Bank Canal .	6,915	76	6,991	...	95	...	365	7,451	...	7,451
26. Bhátodi Tank ..	2,530	1,411	3,941	...	354	...	3,649	7,944	...	7,944
27. Kásurdi do. ...	263	...	263	...	...	...	...	263	...	263
28. Shirsuphal do. ...	4,463	...	4,463	...	...	...	454	4,917	...	4,917
29. Bhádalwádi do. ...	3,661	...	3,661	...	...	...	246	3,907	...	3,907
30. Koregaon do. ...	2,572	...	2,572	...	4	...	969	3,545	...	3,545
31. Ashti do. ...	14,305	...	14,305	...	35	...	7,359	21,699	...	21,699
32. Pathri do. ...	6,300	...	6,300	...	21	...	550	6,871	...	6,871
33. Revári Canals ...	3,664	...	3,664	...	...	...	233	3,897	...	3,897
34. Upper Mán River Works...	1,575	...	1,575	...	...	...	201	1,776	...	1,776
35. Yerla River Irrigation Works ...	9,893	...	9,893	...	...	...	336	10,229	14	10,215
36. Chikhli Canal ...	800	...	800	...	38	...	...	838	...	838
37. Maini Tank ...	7,478	...	7,478	...	...	...	171	7,649	22	7,627
38. Muchkundi do. ...	...	...	...	...	...	...	3,009	3,009	...	3,009
39. Gadikeri do. ...	...	2,061	2,061	...	...	...	...	2,061	...	2,061
40. Gokák Canal, First Section, and Storage Works ...	33,135	...	33,135	...	300	14,313	5,158	52,906	121	52,785
41. Dámbal Tank ...	953	916	1,869	...	...	...	670	2,539	...	2,539
42. Medleri do. ...	145	...	145	...	...	...	592	737	...	737
43. Madag do. ...	1,642	...	1,642	...	120	...	252	2,014	...	2,014
44. Asundi do. ...	769	687	1,456	...	...	...	937	2,393	...	2,393
45 Mávinkop do. ...	...	2,279	2,279	...	...	...	...	2,279	...	2,279
46. Dharma Canal ...	4,697	—4,961	—264	...	...	...	298	34	...	34
Total, Minor Works and Navigation	1,17,592	6,284	1,23,876	...	1,619	14,313	29,407	1,69,215	157	1,69,058
Grand Total ...	8,21,412	10,042	8,31,454	403	9,046	14,313	4,17,758	12,72,974	570	12,72,404

I-C.

Deccan and Gujarát for the year ending 31st March 1918-1919.

Revenue and Working Expenses.)

Revenue Management.				Maintenance and Repairs.									
Establishment.			Total Revenue Management.	Total Establishment.	Works.	Repairs.	Sundries.	Tools and Plant.	Plantations.	Total Cost of Maintenance.	Indirect Charges.	Grand Total, Working Expenses.	Net Revenue.
Total Establishment.	Navigation.	Civil Officers.											
12	13	14	15	16	17	18	19	20	21	22	23	24	25
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
8,902	...	728	9,630	3,825	735	12,771	...	329	1,793	19,453	1,782	30,865	—15,622
5,274	...	1,015	6,289	3,186	4,472	7,248	...	274	1,023	16,203	1,184	23,676	—3,254
54,623	...	10,460	65,083	24,158	10,495	73,017	...	2,077	13,120	1,22,867	11,029	1,98,979	13,042
29,342	...	10,463	39,805	15,397	9,705	47,921	...	1,324	3,963	78,310	6,263	1,24,378	91,810
6,406	...	1,318	7,724	2,442	2,386	7,262	...	210	121	12,421	1,239	21,384	9,367
1,04,547	...	23,984	1,28,531	49,008	27,793	1,48,219	...	4,214	20,020	2,49,254	21,497	3,99,282	95,343
...	...	1,800	1,800	3,466	6,869	17,429	...	197	495	28,456	485	30,741	10,417
1,010	...	1,369	2,379	440	516	1,194	...	51	48	2,249	208	4,831	13,674
6,536	...	2,052	8,588	3,948	6,430	8,391	...	339	921	20,079	1,468	30,135	14,685
893	...	99	992	384	...	1,535	...	33	...	1,952	179	3,123	—957
55,760	...	3,788	59,548	27,993	8,671	1,03,129	—1,408	2,407	173	1,40,965	11,725	2,12,238	1,43,742
2,641	...	5,391	8,032	2,586	381	9,128	...	301	834	13,230	732	21,994	93,070
3,175	...	1,652	4,827	1,893	88	6,923	252	181	563	9,900	710	15,437	15,591
70,015	...	16,151	86,166	40,710	23,005	1,47,729	—1,156	3,509	3,034	2,16,831	15,502	3,18,499	2,90,222
1,74,562	...	40,135	2,14,697	89,718	50,798	2,95,948	—1,156	7,723	23,054	4,66,085	36,999	7,17,781	3,85,565
...	...	335	335	973	2,256	5,237	...	60	...	8,526	136	8,997	—5,197
...	...	5	5	303	828	1,507	...	18	...	2,656	42	2,703	—2,649
...	...	5	5	394	24	3,017	...	24	...	3,459	55	3,519	—3,308
...	...	65	65	538	86	3,968	...	33	89	4,714	75	4,854	—4,043
...	...	8	8	438	495	2,878	...	27	...	3,838	61	3,907	—3,649
291	...	34	325	738	2,763	191	...	86	...	3,778	144	4,247	—2,395
133	...	39	172	341	580	583	...	40	200	1,744	66	1,982	87
832	...	253	1,085	2,121	2,870	5,214	...	246	399	10,850	413	12,348	—6,020
1,124	...	242	1,366	308	94	1,116	...	26	21	1,565	200	3,131	1,743
3,791	...	351	4,142	2,218	1,106	6,518	...	191	1,250	11,283	841	16,266	—8,815
273	...	253	526	626	229	2,191	...	73	83	3,202	126	3,854	4,090
162	...	13	175	100	...	400	...	8	...	508	37	720	—457
689	...	225	914	426	...	1,652	...	37	51	2,166	156	3,236	1,681
597	...	183	780	369	...	1,387	...	32	88	1,876	135	2,791	1,116
340	...	129	469	870	3,014	465	...	101	...	4,450	169	5,088	—1,543
343	...	1,138	1,481	876	1,454	1,978	...	102	72	4,482	171	6,134	15,565
100	...	337	437	254	...	987	...	30	31	1,302	50	1,789	5,082
366	...	183	549	241	...	877	...	23	86	1,227	85	1,861	2,036
729	...	79	808	477	...	1,786	...	46	128	2,432	169	3,409	—1,633
1,936	...	495	2,431	1,269	...	4,593	...	121	481	6,464	449	9,344	871
164	...	40	204	107	...	400	...	10	29	546	38	788	50
1,061	...	374	1,435	696	...	2,562	...	66	221	3,545	246	5,226	2,401
203	...	...	203	313	...	1,250	...	30	...	1,593	72	1,868	1,141
57	...	206	263	27	...	109	...	2	...	138	12	413	1,648
2,765	...	1,678	4,443	1,327	689	4,620	...	127	...	6,763	573	11,779	41,006
531	...	139	670	292	...	1,168	...	28	...	1,488	115	2,273	266
148	...	8	156	81	...	325	...	8	...	414	32	602	135
280	...	82	362	155	...	548	...	15	70	788	61	1,211	803
126	...	107	233	69	...	277	...	6	...	352	27	612	1,781
75	...	228	303	41	...	164	...	4	...	209	16	528	1,751
918	...	—246	672	225	...	902	...	55	...	1,182	160	2,014	—1,980
18,034	...	6,988	25,022	17,213	16,488	58,870	...	1,675	3,294	97,540	4,932	1,27,494	41,564
1,92 596	...	47,123	2,39,719	1,06,931	67,286	3,54,818	—1,156	9,398	26,348	5,63,625	41,931	8,45,275	4,27,129

C. W. C. CARSON,
Accountant General, Bombay.

STATEMENT

Statement showing the Financial Results of Irrigation Works in the

Number of Works	Name of Works.	Mileage in operation.		Estimated cost of construction (direct and indirect).	Date of completion of work (P. W. Code II, 1918).	Date when system first came into operation.	General Financial Results to end: Total Capital outlay (direct and indirect).	Accumulated arrears of interest.	Accumulated surplus revenues.
		Main canals and branches.	Distributaries.						
1	2	3	4	5	6a	6b	7	8	9
	MAJOR WORKS.	Miles.	Miles.	Rs.	Date.	Date.	Rs.	Rs.	Rs.
	35.—Protective Irrigation Works.								
	In Operation.								
1	Pravara Canal	33·00	13·00	1,16,70,592	Not completed.	1909-10	83,79,130	13,49,271	...
2	Chankápur Tank	13·11	9·93	19,53,072	1909-10	1909-10	19,37,205	8,23,467	...
3	Godávari Canal	118·50	57·46	1,01,47,321	1915-16	1911-12	1,00,94,775	28,28,129	...
4	Nira Canal including Shetphal Tank	106·79	139·00	65,41,607	1898-99	1885-86	65,37,833	23,70,615	...
5	Mhaswad Tank	66·25	43·36	20,96,016	1900-01	1884-85	20,96,016	24,01,300	...
6	Gokák Canal, 1st Section	.....	.....	4,12,666	1896-97	1884-85	4,12,666	5,60,030	...
	Total	337·65	262·75	3,28,21,274	.....	.....	2,94,57,625	98,32,842	...
	Under Construction.								
7	Máládevi Tank	.....	.....	3,14,574	Not completed.	Under construction.	3,11,928	2,21,855	...
8	Budhihal Tank	.....	.....	14,54,611			5,09,756	2,34,663	...
9	Nira Right Bank Canal	.....	.....	2,57,72,499			1,45,83,101	17,23,858	...
	Total	.....	.....	2,75,41,684	.....	.....	1,54,04,785	21,80,376	...
	Total, Protective Works	337·65	262·75	6,03,62,958	.....	.....	4,48,62,410	1,20,13,218	...
	40.—Irrigation Productive Works.								
10	Hathmati Canal, including Khári Cut Canal	60·00	59·50	13,15,973	1883-84	1873-74	13,15,973	9,33,493	...
11	Lower Pánjhra River Works	.....	45·00	4,68,621	1894-95	1851-52	4,68,621	4,93,226	...
12	Kadwa River Works	24·12	14·36	10,34,191	1907-08	1868-69	10,34,191	10,55,520	...
13	Pravara River Works—Lákh Canal	23·00	9·37	3,71,891	1893-94	1869-70	3,71,891	9,35,440	...
14	Mutha Canal, including Mátoba Tank	88·00	84·00	65,34,253	1896-97	1874-75	65,34,144	40,07,935	...
15	Ekrúk Tank	48·00	1·68	13,40,386	1890-91	1872-73	13,40,386	15,19,833	...
16	Krishna Canal	63·87	.....	9,46,769	1891-92	1869-70	9,44,459	6,16,811	...
	Total, Productive Works	306·99	213·91	1,20,12,084	.....	.....	1,20,09,665	95,62,267	...
	Total, Major Works	644·64	476·66	7,23,75,042	.....	.....	5,68,72,075	2,15,75,485	...
	43.—Minor Works and Navigation—Irrigation Works.								
17	Wángroli Tank	17·26	.....	2,90,930	1908-09	1904-05	2,90,930	1,58,756	...
18	Tranza Nagráma Tanks	7·60	.....	2,80,635	1909-10	1904-05	2,80,635	1,56,351	...
19	Sávli Tank	8·35	1·32	2,55,210	1909-10	1908-09	2,55,210	1,58,002	...
20	Sahiat do.	9·25	1·79	1,84,029	1911-12	1910-11	1,84,029	1,33,075	...
21	Futelao do.	3·99	.....	1,16,461	1916-17	1915-16	1,16,461	22,239	...
22	Hartála do.	.....	5·50	79,382	1886-87	1872-73	79,382	67,459	...
23	Mhaswa do.	.....	7·00	1,38,956	1886-87	1877-78	1,38,956	2,19,446	...
24	Jámda Canals	39·00	75·00	10,41,089	1901-02	1870-71	10,41,089	21,97,442	...
25	Parsul Tank	.....	4·75	2,18,946	1894-95	1889-90	2,14,995	2,21,611	...
26	Pravara Left Bank Canal	19·00	21·00	3,47,550	1892-93	1874-75	3,47,550	6,01,223	...
27	Bhátodi Tank	4·50	4·50	3,79,707	1891-92	1871-72	3,79,707	6,34,283	...
28	Kásurdi do.	.....	1·75	45,590	1877-78	1869-70	45,590	98,434	...
29	Shirsuphal do.	.....	12·50	2,24,568	1893-94	1879-80	2,24,568	3,08,775	...
30	Bhádalwádi do.	.....	9·75	2,27,422	1890-91	1881-82	2,27,422	2,84,863	...
31	Koregaon do.	3·75	.....	39,189	1891-92	1868-69	39,189	70,633	...
32	Ashti do.	27·50	3·15	8,36,091	1892-93	1881-82	8,36,091	10,55,026	...
33	Páthri do.	4·66	3·33	6,42,846	1908-09	1906-07	6,42,846	3,11,087	...
34	Rewári Canal	10·25	...	59,311	1892-93	1865-66	59,811	26,871	...
35	Upper Mán River Works	17·50	6·50	4,39,286	1891-92	1872-73	4,39,286	6,75,131	...
36	Yerla River Irrigation Works	33·33	4·00	7,71,814	1894-95	1869-70	7,64,870	9,87,026	...
37	Chikhli Canal	6·50	.....	57,442	1883-84	1870-71	57,442	96,126	...
38	Maini Tank	9·25	7·88	4,87,650	1891-92	1875-76	4,87,650	6,23,216	...
39	Muchkundi Tank	5·50	2·25	1,58,707	1890-91	1884-85	1,58,707	1,90,254	...
40	Gadikeri Tank	.....	.....	16,018	1881-82	1882-83	16,018	.....	45,034
41	Gokák Canal, First Section	16·13	35·43	9,69,256	1896-97	1881-85	9,69,256	30	...
42	Dambal Tank	.....	3·27	63,980	1885-86	1880-81	63,980	68,681	...
43	Medleri do.	.....	4·87	81,392	1887-88	1884-85	81,392	1,26,943	...
44	Madag do.	9·00	.....	1,67,598	1888-89	1866-67	1,67,598	3,19,475	...
45	Asundi do.	.....	4·86	74,995	1889-90	1884-85	74,995	96,416	...
46	Mávinkop do.	.....	2·79	33,504	1881-82	1882-83	33,504	2,052	...
47	Dharma Canal	13·00	13·00	98,334	Not completed.	1913-14	95,998	44,996	...
	Total	271·32	235·89	88,23,288	.....	.....	88,10,052	99,55,932	45,034
	Under Construction.								
48	Victoria Tank	.....	.....	4,61,003	Not completed.	Under construction.	64,325	26,238	...
49	Suki River	.....	.....	.....			15,524	3,908	...
	Total	.....	.....	4,61,003	.....	.....	79,849	30,146	...
	In Abeyance.								
50	Gokák Canal, Second Section	.....	.....	1,91,995	.....	.....	1,90,284	2,78,652	...
	Total, Minor Works	271·32	235·89	94,76,286	.....	.....	90,80,185	1,02,64,730	45,034
	Grand Total	915·96	712·55	8,18,51,328	.....	.....	6,59,52,260	3,18,40,215	45,034

11-C.

Deccan and Gujarát for, and up to the end of, 1918-1919.

of 1918-1919.	Financial Results of the year 1918-1919.									
Total sum-at-charge (column 7+column 8).	Gross receipts (direct and indirect).	Working expenses (direct and indirect).	Net revenue.	Percentage on Capital outlay, column 7.	Percentage on sum-at-charge, column 10.	Interest at 3·4818 per cent. on direct Capital outlay to end of previous year, *plus* half the outlay of the year.	Net profit.	Net loss.	Area irrigated.	Percentage of working expenses to receipts (column 11 to column 12).
10	11	12	13	14	15	16	17	18	19	20
Rs.	Rs.	Rs.		Per cent.	Per cent.	Rs.	Rs.	Rs.	Acres.	Per cent.
97,28,401	15,243	30,865	—15,622	.....	.....	2,69,209	...	2,84,831	7,083	202·49
27,60,672	20,422	23,676	—3,254	.....	.....	64,950	...	68,204	4,495	115·93
1,24,22,904	2,12,021	1,98,979	13,042	0·13	0·10	3,33,620	...	3,20,578	46,245	93·85
89,08,478	2,16,188	1,24,378	91,810	1·40	1·03	2,14,627	...	1,22,817	54,642	57·53
44,97,316	30,751	21,384	9,367	0·45	0·21	69,829	...	60,462	9,577	69·54
9,72,696	.....	.....	.....	.....	.....	13,960	...	13,960	.....	.....
3,92,90,467	4,94,625	3,99,282	95,343	0·32	0·24	9,66,195	...	8,70,852	1,22,042	80·72
5,33,783	.....	.....	.....	.....	.....	10,516	...	10,516	.....	.....
7,45,419	.....	.....	.....	.....	.....	17,109	...	17,109	.....	.....
1,63,06,950	.....	.....	.....	.....	.....	4,65,093	...	4,65,093	.....	.....
1,75,85,161	.....	.....	.....	.....	.....	4,92,718	...	4,97,718	.....	.....
5,68,75,628	4,94,625	3,99,282	95,343	0·21	0·17	14,58,913	...	13,63,570	1,22,042	80·72
22,49,466	41,158	30,741	10,417	0·79	0·46	43,209	...	32,792	2,843	74·69
9,61,847	18,505	4,831	13,674	2·92	.....	15,517	...	1,833	3,660	26·11
20,39,720	44,820	30,135	14,685	1·42	0·70	33,834	...	19,149	4,695	67·24
13,07,331	2,166	3,123	—957	.....	.....	12,271	...	13,228	962	144·18
1,05,42,079	3,55,980	2,12,238	1,43,742	2·20	1·76	2,26,185	...	82,443	15,672	59·61
28,60,219	1,15,064	21,994	93,070	6·94	3·25	42,761	50,309	.....	4,804	19·11
15,61,270	31,428	15,437	15,991	1·65	1·00	31,092	...	15,501	8,126	49·75
2,15,71,932	6,08,721	3,18,499	2,90,222	2·42	1·35	4,04,859	...	1,14,637	40,776	52·32
7,84,47,560	11,03,346	7,17,781	3,85,565	.....	0·49	18,64,772	...	14,78,207	1,62,818	65·05
4,49,686	3,800	8,997	—5,197	.....	.....	8,334	...	13,561	1,769	236·76
4,36,986	54	2,703	—2,649	.....	.....	8,288	...	10,937	49	5,005·55
4,13,213	211	3,519	—3,308	.....	.....	8,154	...	11,462	281	1,667·78
3,17,104	811	4,854	—4,043	.....	.....	5,517	...	9,560	255	598·52
1,38,700	258	3,907	—3,649	.....	.....	3,738	...	7,387	18	1,514·34
1,40,841	1,852	4,247	—2,395	.....	.....	1,669	...	4,064	361	229·32
3,58,402	2,069	1,982	87	0·06	0·02	4,484	...	4,397	629	95·79
32,38,531	6,328	12,348	—6,020	.....	.....	31,511	...	40,531	5,943	195·13
4,36,606	4,874	3,131	1,743	0·81	0·40	7,242	...	5,499	555	64·24
9,48,773	7,451	16,266	—8,815	.....	.....	11,292	...	20,107	2,235	218·31
10,13,990	7,914	3,824	4,090	1·08	0·40	12,780	...	8,190	1,340	48·15
1,44,024	263	720	—457	.....	.....	1,421	...	1,878	7	273·39
5,32,343	4,917	3,236	1,681	0·75	0·32	7,388	...	5,707	1,655	65·81
5,12,285	3,907	2,791	1,116	0·49	0·22	7,420	...	6,304	1,390	71·44
1,09,622	3,545	5,088	—1,543	.....	.....	1,320	...	2,863	250	143·52
18,91,127	21,699	6,134	15,565	1·86	0·82	26,359	...	10,794	5,638	28·27
9,53,933	6,371	1,789	5,082	0·79	0·53	21,850	...	16,778	1,433	26·04
83,682	3,897	1,851	2,046	3·40	2·35	1,977	59	.....	461	47·75
11,14,417	1,776	3,409	—1,633	.....	.....	14,479	...	16,112	1,108	191·95
17,51,898	10,215	9,344	871	0·11	0·05	25,053	...	24,182	4,496	91·47
1,53,568	838	788	50	0·09	0·03	1,873	...	1,823	173	94·03
11,10,886	7,627	5,226	2,401	0·49	0·22	16,070	...	13,689	2,276	68·52
3,48,961	3,009	1,868	1,141	0·72	0·33	4,882	...	3,741	.....	62·08
16,918	2,061	413	1,648	9·74	9·74	570	1,078	.....	377	20·04
9,69,286	52,785	11,779	41,006	4·23	4·23	31,364	9,642	.....	9,696	22·31
1,32,661	2,539	2,273	266	0·41	0·20	2,119	...	1,853	463	89·52
2,08,335	737	602	135	0·16	0·06	2,728	...	2,593	55	81·68
4,87,073	2,014	1,210	803	0·48	0·16	5,614	...	4,811	897	60·13
1,71,411	2,393	612	1,781	2·37	1·04	2,115	...	334	329	25·57
35,556	2,279	528	1,751	5·22	4·92	1,051	700	.....	577	23·17
1,40,989	34	2,014	—1,980	.....	.....	3,212	...	5,192	7,877	5,923·53
1,87,95,984	1,69,658	1,27,494	41,564	0·47	0·22	2,84,434	...	2,42,870	52,033	75·41
90,563	.....	.....	.....	.....	.....	2,000	...	2,000	.....	.....
19,432	.....	.....	.....	.....	.....	527	...	527	.....	.....
1,09,995	.....	.....	.....	.....	.....	2,527	...	2,527	.....	.....
4,68,936	.....	.....	.....	.....	.....	6,139	...	6,139	.....	.....
1,93,44,915	1,69,658	1,27,494	41,564	.....	0·21	2,93,100	...	2,51,536	52,033	75·41
9,77,92,475	12,72,404	8,45,275	4,27,129	.....	0·44	21,56,872	...	17,29,743	2,14,851	66·43

C. W. C. CARSON,
Accountant General, Bombay.

STATEMENT III-C.

Demands and Realizations during the year 1918-1919 in Deccan and Gujarát.

	Irrigation Works.	Balance of demands unrealized at commencement of year. (b)	Demands of the year (a).				Total including Balance at commencement of year.	*Deduct*—Remissions not including Cash Refunds.	Net Total.	*Deduct*—Amount unrealized at close of year.	Actual Realizations of the year.
			Rabi, 1917-1918.	Kharif, 1918-1919.	Miscellaneous Receipts.	Total.					
	1	2	3	4	5	6	7	8	9	10	11
	MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	35.—Protective Irrigation Works.										
1	Pravara River Canal... ...	—611	6,081	12,,346	703	19,130	18,519	.....	18,519	3,276	15,243
2	Chankápur Tank	4,219	10,601	7,178	130	17,909	22,128	.....	22,128	1,702	20,426
3	Godávari Canal	67,008	64,947	3,36,609	11,075	4,12,631	4,79,639	712	4,78,927	2,66,757	2,12,170
4	Nira Canal and Shetphal Tank	4,572	31,857	5,20 906	7,159	5,59,922	5,64,494	148	5,64,346	3,48,141	2,16,205
5	Mhasvad Tank	—112	13,985	26,098	6,676	46,709	46,597	14	46,583	15,832	30,751
	Total, Protective Works ...	75,076	1,27,421	9,03,137	25,743	10,56,301	11,31,377	874	11,30,503	6,35,708	4,94,795
	49.—Irrigation Productive Works.										
9	Háthmati and Kháricut Canal	43,430	19,935	3,583	5,213	28,731	72,161	980	71,181	29,966	41,215
10	Lower Pánjhra River Works.	1,032	(c) 5,432	(c) 7,708	2,459	15,599	16,631	.....	16,631	910	15,721
11	Kádwa River Works... ...	5,245	11,117	29,618	3,187	43,922	49,167	.....	49,167	4,941	44,226
12	Pravara River Works—Lákh Canal	87	517	884	495	1,896	1,983	.....	1,983	42	1,941
13	Mutha Canals and Mútoba Tank	52,280	8,938	2,34,276	2,75,497	5,18,711	5,70,991	241	5,70,750	2,14,753	3,55,997
14	Ekrúk Tank	7,955	4,607	24,510	85,793	1,14,910	1,22,865	.....	1,22,865	7,801	1,15,064
15	Krishna Canal	30,334	2,779	71,544	591	74,914	1,05,248	.....	1,05,248	74,206	31,042
	Total, Productive Works ...	1,40,363	53,325	3,72,123	3,73,235	7,98,683	9,39,046	1,221	9,37,825	3,32,619	6,05,206
	Total, Major Works ...	2,15,439	1,80,746	12,75,260	3,98,978	18,54,984	20,70,423	2,095	20,68,328	9,68,327	11,00,001
	43.—Minor Works and Navigation.										
16	Wangroli Tank	98	1,110	2,015	233	3,358	3,456	10	3,446	2,771	675
17	Tranza-Nagramma Tanks ...	...	59	...	...	59	59	.....	59	59	...
18	Sávli Tank	26	856	608	115	1,579	1,675	.....	1,675	1,464	211
19	Sahiat do.	...	596	608	148	1,352	1,352	.....	1,352	1,177	175
20	Futelao do.	72	90	35	107	232	304	.....	304	46	258
21	Hartála do.	...	158	644	1,440	2,242	2,242	.....	2,242	390	1,852
22	Mhasva do.	43	449	689	1,298	2,436	2,479	.....	2,479	410	2,069
23	Jámda Canals	1,551	3,504	13,711	1,266	18,481	20,032	.....	20,032	13,704	6,328
24	Parsul Tank	10	4,157	1,381	31	5,569	5,579	.....	5,579	705	4,874
25	Pravara Left Bank Canal ...	8	3,257	4,408	465	8,130	8,138	.....	8,138	763	7,375
26	Bhátodi Tank	14	2,507	2,134	4,003	8,644	8,658	.....	8,658	2,125	6,533
27	Kásurdi do.	...	203	60	...	263	263	.....	263	...	263
28	Shirsuphal do.	206	1,000	3,269	454	4,714	4,920	.....	4,920	3	4,917
29	Bhádalvádi do.	1	495	5,531	250	6,276	6,277	.....	6,277	2,370	3,907
30	Koregaon do.	...	2,499	714	973	4,186	4,186	.....	4,186	641	3,545
31	Ashti do.	—119	5,467	9,748	7,394	22,609	22,490	26	22,464	765	21,699
32	Páthri do.	—1	4,819	1,587	571	6,977	6,976	.....	6,976	105	6,871
33	Revári Canal	...	2,100	1,585	233	3,918	3,918	.....	3,918	21	3,897
34	Upper Mán River Works ...	...	1,575	2,415	201	4,191	4,191	.....	4,191	2,415	1,776
35	Yerla River Irrigation Works.	89	8,951	9,096	336	18,383	18,472	.....	18,472	8,243	10,229
36	Chikhali Canal	471	329	653	38	1,020	1,491	.....	1,491	653	838
37	Maini Tank	548	5,631	1,979	171	7,781	8,369	.....	8,369	720	7,649
38	Muchkundi Tank	...	...	...	3,009	3,009	3,009	.....	3,009	...	3,009
39	Gadikeri do	...	...	...	...	...	...	.....	...	...	...
40	Gokák Canal, First Section, and Storage Works ...	1,582	8,893	6,765	19,851	55,509	57,091	.....	57,091	4,185	52,906
41	Dambal Tank	735	218	908	670	1,796	2,531	.....	2,531	908	1,623
42	Medleri do.	21	4	639	593	1,236	1,257	.....	1,257	520	737
43	Madag do.	978	1,158	1,716	372	3,246	4,224	.....	4,224	2,210	2,014
44	Asundi do.	31	238	612	937	1,787	1,818	.....	1,818	112	1,706
45	Mávinkop do.	...	...	...	...	...	...	.....	...	...	...
46	Dharma Canal	8,702	...	83	298	381	9,083	.....	9,083	4,088	4,995
	Total, Minor Works ...	15,176	60,323	93,584	45,457	1,99,364	2,14,540	36	2,14,504	51,573	1,62,931
	Grand Total ...	2,30,615	2,41,069	13,68,844	4,44,435	20,54,348	22,84,963	2,131	22,82,832	10,19,900	12,62,932

(a) Excluding Irrigation Share of Land Revenue.
(b) Correct balances as now reported by the Revenue Officers in Canal Returns Nos. VI and VII.
(c) Inclusive of assessments shown in Canal Return No. IX.

R. SRINIVASA AYYAR,
Accountant General, Bombay.

STATEMENT IV-C.

Statement showing the Financial Results of Irrigation Works in Deccan and Gujarát for the year ended 1918-1919, based on the assessment of the year.

Principal Results and Operations for the year ended 31st March 1919.

Irrigation Works.	Capital outlay (direct and indirect) to end of year.	Revenue assessed during the year.							Indirect Revenue (Land Revenue due to operation of Canal).	Grand Total.	Working Expenses, direct and indirect.	Net assessed Revenue of the year.	Percentage on Capital outlay to end of year.
		Direct assessed Revenue.											
		Occupier's rate.	Owner's rate.	Plantations.	Water-power.	Navigation.	Miscellaneous.	Total.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
MAJOR WORKS.													
35.—Protective Irrigation Works.													
1 Pravara River Canal	83,79,130	17,731	...	421	...	...	282	18,434	.....	18,434	30,865	−12,431	(a)
2 Chankápur Tank	19,17,205	21,017	...	...	...	...	130	21,147	.....	21,147	23,676	−2,529	(a)
3 Godávari Canal	1,00,94,775	5,05,604	...	667	...	...	10,408	5,16,679	.....	5,16,679	1,98,979	3,17,700	3·15
4 Nira Canal and Shetphal Tank	65,37,833	6,33,982	...	837	...	...	6,322	6,41,121	.....	6,41,121	1,24,378	5,16,743	7·90
5 Mhasvad Tank	20,96,016	50,518	...	1,269	...	...	5,407	57,194	.....	57,194	21,384	35,810	1·71
Total, Protective Works	2,90,44,959	12,28,852	...	3,194	...	...	22,549	12,54,575	.....	12,54,575	3,99,282	8,55,293	2·94
49.—Irrigation Productive Works.													
9 Háthmati and Khárieut Canal	13,15,973	4,081	...	7	...	...	5,206	9,294	.....	9,294	30,741	−21,447	(a)
10 Lower Pánjhra river Works	4,63,621	12,673	...	250	...	...	2,209	15,132	2,781	17,916	4,831	13,085	2·79
11 Kádwa River Works	10,34,191	39,194	...	...	...	...	3,187	42,381	594	42,975	30,135	12,840	1·24
12 Pravara River Works—Lákh Canal	3,71,891	1,673	...	125	...	...	370	2,168	225	3,393	3,123	−730	(a)
13 Mutha Canals and Mátoba Tank	65,24,144	2,49,153	...	2,698	...	403	2,72,396	5,24,650	155	5,24,805	2,12,238	3,12,567	4·78
14 Ekrúk Tank	13,40,386	37,595	...	1,153	...	...	84,640	1,21,388	.....	1,23,388	21,994	1,01,394	7·56
15 Krishna Canal	9,44,459	34,774	...	...	...	...	591	35,365	.....	35,365	15,437	69,928	7·40
Total, Productive Works	1,20,09,665	4,29,143	...	4,233	...	403	3,68,539	8,02,378	3,758	8,06,136	3,18,499	4,87,637	4·06
Total, Major Works	4,10,54,624	16,57,975	..	7,427	...	403	3,91,148	20,56,953	3,758	20,60,711	7,17,781	13,42,930	3·27
43.—Minor Works and Navigation.													
16 Wangroli Tank	2,90,230	2,015	...	...	...	...	233	2,248	3,125	5,373	8,997	−3,624	(a)
17 Tranza-Nagramma Tanks	2,80,635	...	...	...	...	...	...	...	54	54	2,703	−2,649	(a)
18 Sávli Tank	2,55,210	608	...	65	...	...	50	723	.....	723	3,519	−2,796	(a)
19 Sahiat do.	1,84,020	607	...	...	...	...	148	755	636	1,391	4,854	−3,463	(a)
20 Futelao do.	1,16,461	35	...	26	...	...	81	142	.....	142	3,907	−3,765	(a)
21 Hartála do.	73,382	999	...	...	...	...	1,440	2,439	.....	2,439	4,247	−1,808	(a)
22 Mhasva do.	1,38,956	1,561	...	18	...	...	1,290	2,862	.....	2,862	1,982	880	0·63
23 Jámda Canal	10,41,089	18,543	...	543	...	...	723	19,809	.....	19,809	12,348	7,461	0·72
24 Parsul Tank	2,14,095	1,580	...	...	...	...	31	1,621	.....	1,621	3,134	−1,513	(a)
25 Pravara Left Bank Canal	3,47,550	4,527	...	95	...	...	370	4,992	76	5,068	16,266	−11,198	(a)
26 Bhátodi Tank	3,79,707	6,492	...	354	...	...	3,649	10,495	1,411	11,906	3,854	8,052	2·12
27 Kásurdi do.	45,580	60	...	...	...	...	...	60	.....	60	720	−660	(a)
28 Shirsuphal do.	2,24,568	6,900	...	...	...	...	454	7,354	.....	7,354	3,236	4,118	1·83
29 Bhádalvádi do.	2,27,422	7,479	...	...	...	...	250	7,429	.....	7,429	2,791	4,638	2·04
30 Koregaon do.	39,189	840	...	4	...	...	969	1,813	.....	1,813	5,088	−3,275	(a)
31 Ashti do.	8,36,091	31,465	...	35	...	...	7,359	38,859	.....	38,859	6,134	32,725	3·91
32 Páthri do.	6,42,846	6,364	..	21	...	...	550	6,935	.....	6,935	1,789	5,146	0·80
33 Revári Canal	59,811	2,477	...	...	...	...	233	2,710	.....	2,710	1,861	849	1·42
34 Upper Mán River Works	4,39,286	5,573	...	...	...	...	201	5,774	.....	5,774	3,409	2,365	0·54
35 Yerla River Irrigation Works	7,64,870	22,627	...	...	...	...	336	22,963	.....	22,963	9,344	13,619	1·78
36 Chikhali Canal	57,442	1,030	...	38	...	...	...	1,068	.....	1,068	788	280	0·49
37 Maini Tank	4,87,650	9,054	...	...	...	...	171	9,225	.....	9,225	5,226	3,999	0·82
38 Muchkundi Tank	1,58,707	...	...	...	...	...	3,000	3,000	.....	3,009	1,868	1,141	0·72
39 Gadikeri do.	16,918	...	...	...	...	...	...	...	2,061	2,061	413	1,648	9·74
40 Gokák Canal, First Section, and Storage Works	13,81,922	46,686	...	300	14,313	...	5,238	66,537	.....	66,537	11,779	54,758	3·96
41 Dambal Tank	63,980	1,066	...	...	...	...	670	1,736	916	2,652	2,273	379	0·59
42 Modleri do.	31,392	682	...	...	...	...	593	1,275	.....	1,275	602	673	0·83
43 Mádag do.	1,67,598	2,552	...	120	...	...	252	2,924	.....	2,924	1,211	1,713	1·02
44 Asundi do.	74,995	741	...	...	...	...	937	1,648	687	2,335	612	1,723	2·30
45 Mávinkop do.	33,504	...	...	...	...	...	...	...	2,279	2,279	528	1,751	5·23
46 Dharma Canal	95,903	83	...	...	...	...	298	381	−4,961	−4,580	2,014	−6,594	(a)
Total, Minor Works	92,32,718	1,82,329	...	1,619	14,313	...	29,525	2,27,786	6,284	2,34,070	1,27,494	1,06,576	1·16
Grand Total	5,02,77,342	18,40,304	...	9,046	14,313	403	4,20,673	22,84,739	10,042	22,94,781	8,45,275	14,49,506	2·88

(a) No percentage is calculated, as the net revenue against the work is a minus figure.

R. SRINIVASA AYYAR,
Accountant General, Bombay.

STATEMENT

Statement of Area irrigated by Irrigation Works in the

No.	Name of work.	Area Irrigated in Acres.					Double cropped.		Average Discharges, Cubic Feet per Second.			
									At Head.		Utilized.	
		Kharif.	Rabi.	Total.	Flow.	Lift.	Area irrigated.	Percentage of Total Area.	Kharif.	Rabi.	Kharif.	Rabi.
1	2	3	4	5	6	7	8	9	10	11	12	13
	Major Works.											
	Protective Works.											
1	Pravara River Works—Pravara Right Bank Canal	5,270	1,814	7,084	7,078	6	175	2·47	38	11	28	8
2	Girna Left Bank Canal	(1,606) 1,737	(3,247) 2,758	4,495	4,495	...	935	20·82	57·61	40·66	37·61	40·66
3	Darna Dam	244	108	352	...	352	...	...	...	...	...	...
	Godavari Right Bank Canal ...	8,606	(24,696) 19,673	28,279	28,253	26	2,414	8·54	110	157	92	137
	Godavari Left Bank Canal ...	4,622	(16,312) 12,992	17,614	17,593	21	765	4·34	70	97	58	89
4	Nira Canal and	31,994	(36,452) 17,886	49,880	49,662	218	2,791	5·60	354	314	321	308
	Shetphal Tank	3,251	(3,069) 1,511	4,762	4,761	1	255	5·35	31	31	31	31
5	Mhasvad Tank	4,755	(5,035) 4,522	9,577	9,323	254	...	...	50·41	61·36	50·41	61·36
	Total ...	60,479	61,564	122,043	121,165	878	7,335	6·01	...	...	...	...
	Productive Works.											
9	Háthmati Canal and Khári Cut Canal	(200) 1,194* (830) 1,393*	259 (c)2	1,453	1,423	30	...	...	56	26	39	26
				1,395	1,198	197	...	...	29	(c) 6	29	...
10	Lower Pánjra River Works	330 1,194†	370 617†	700 1,811†	700	...	177	7·04	9·48	11·51	9·48	11·51
11	Kádva River Works—Wághad Tank	...	...	...	...	...	...	...	...	...	...	...
	Palkhed Canal	(1,628) 1,731	(1,935) 739	2,470	2,417	53	78	3·16	23·21	28·36	23·21	28·36
	Ojhar-Támbat Canal	(685) 703	(724) 277	980	978	2	47	4·80	5·29	6·17	5·29	6·17
	Wadáli Canal	(663) 736	(908) 509	1,245	1,243	2	260	20·82	8·92	9·19	8·92	9·19
12	Pravara River Works—Lákh Canal.	(550) 559	(559) 404	963	900	63	118	12·25	8·34	3·39	4·44	3·39
13	Mutha Canals and Mátoba Tank.	13,228	(7,458) 2,077	15,305	15,305	...	267	1·74	201	126	...‡	...‡
		1,616	(761) 294	28§ 1,910	1,910	...	...	...	5·37	4·32	5·37	4·32
14	Ekruk Tank	2,330	2,474	4,804	4,722	82	...	...	33·90	47·92	29·51	47·02
15	Krishna Canal	5,530	2,597	8,127	6,843	1,284	140	1·72	74·90	50·46	74·90	50·46
	Total ...	29,350	10,002	39,352	37,639	1,713	1,037	2·76	...	...	...	...
		1,197†	617†	28§ 1,814†								
	Total, Major Works ...	89,829	71,566	161,395	158,804	2,591	8,422	5·22	...	...	...	...
		1,197†	617†	28§ 1,814†								
	Minor Works and Navigation.											
16	Wangroli Tank ...	(73) 784*	...	784	768	16	...	...	M.c.ft.52·65	...	M.c.ft.52·65	...
17	Tranza-Nagramma Tanks ..	...	...	...	...	...	...	...	...	...	...	...
18	Savli Tank ...	(129) 281*	...	281	281	...	...	...	M.c.ft.19·33	...	M.c.ft.19·33	...
19	Sahiat do. ...	(107) (d) 107*	...	107	107	...	...	...	M.c.ft.60·64	...	M.c.ft.60·64	...
20	Futelao do.	18*	...	18	18	...	...	...	M.c.ft. 0·49	...	M.c.ft. 0 49	...
21	Hartála do.	197	164	361	360	1	...	...	1·38	0·96	1·38	0·96
22	Mhasva do.	296	374	670	670	...	...	...	2·76	4·79	2·76	4·79
23	Jámda Canals	4,647	1,296	5,943	5,943	...	...	...	53·50	43·95	42·53	40·95
24	Parsul Tank	520	35	555	555	...	14	2·52	...	...	...	...
25	Pravara River Works—Pravara Left Bank Canal.	2,119	116	2,235	2,235	...	30	1·34	51	29	17	29
26	Bhátodi Tank	431	909	1,340	1,329	11	58	4·33	0·77	1·68	0·77	1·68
27	Kásurdi do.	7	...	7	7	...	...	...	...	...	...	...
28	Shirsuphal do. ...	(624) 751	(1,350) 904	1,655	1,655	...	...	...	8·04	6·50	8·04	6·50
29	Bhádalvádi do. ...	(756) 1,003	(1,057) 387	1,390	1,390	...	...	...	4·16	2·94	4·16	2·94
30	Koregaon do.	163	87	250	248	2	...	...	2·04	0·79	2·04	0·79
31	Ashti do.	1,540	4,098	5,638	5,627	11	...	...	14·34	20·90	14·34	20·90
32	Pathri do.	361	1,075	1,436	1,358	78	...	...	1·95	8·38	1·95	8·38
33	Revári Canal	239	222	461	460	1	108	23·42	2·89	2·68	2·89	2·68
34	Upper Mán River Works ...	413	696	1,109	1,107	2	77	6·94	6·58	5·41	6·03	5·20
35	Yerla River Irrigation Works .	1,606	2,890	4,496	4,484	12	132	2·94	20·38	24·39	13·08	24·07
36	Chikhli Canal	141	33	174	166	8	15	8 62	2·80	1·52	2·80	1·52
37	Mami Tank	706	1,570	2,276	2,250	26	161	7·07	3·48	9·08	3·48	9·08
38	Muchkundi do.	...	...	...	...	...	...	...	...	...	...	...
39	Gadikeri do.	377†	...	377†	...	...	...	...	...	...	...	...
40	Gokák Canal, 1st Section and Storage Works.	5,206	3,889	9,095	8,787	308	...	...	37·00	33·87	37·00	33·87
41	Dambal Tank	177 144†	53	230 144†	230	...	...	...	4·80	1·36	4·80	1·36
42	Medleri do.	45	10	55	50	5	...	...	3·13	8·69	3·13	8·69
43	Madag do.	685	211	896	877	19	...	...	7·92	9·78	7·92	9·78
44	Asundi do.	117	22 190†	139 190†	133	6	...	...	5·53	4·02	5·53	4·02
45	Mávinkop do.	577†	...	577†	...	...	...	...	1·64	...	1·64	...
46	Dharma Canal	16 7,504†	357†	16 7,861†	16	...	...	...	13·35	0·52	13·35	0·52
	Total, Minor Works ...	22,576 8,602†	19,041 547†	41,617 9,149†	41,111	506	595	1·43	...	...	...	...
	Grand Total ...	112,405 9,799†	90,607 1,164†	203,012 28§ 10,963†	199,915	3,097	9,017	4·44	...	...	...	...

I-E.

Bombay Presidency, excluding Sind, during the year 1918-1919.

Area irrigated per Cubic Foot per Second.				Base to which the Duties on Water are calculated.		Remarks.
Discharged at Head.		Utilized.				
Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.	
14	15	16	17	18	19	20
(*a*) 128·16	(*a*) 164·91	(*a*) 173·93	(*a*) 226·75	16th June to 15th October.	16th October to 15th February.	*Note*—The antique figures in brackets represent areas actually irrigated during the respective seasons and the duties have been calculated on these figures. They differ from those in Statement IV-E owing to the fact that certain areas irrigated during the rabi season are assessed in kharif papers and *vice versa*. In the rabi season in addition to pure rabi crops perennial and eight months crops are irrigated. To obtain correct duties therefore these crops have to be added to the rabi area.
42·70	79·85	42·70	79·85			
...	...	...	...			
78·25	157·30	93·55	180·26	16th February to 15th October.	16th October to 15th February.	
66·03	168·15	79·69	183·27			
90	116	100	118			
105	99	105	99			
94·33	78·59	94·33	78·59			
...	...	...	...			(*a*) A fair duty considering the scattered nature of irrigation.
17·75	9·96	25·49	9·96	15th June to 14th October.	15th October to 14th February.	* These figures of kharif include hot weather and monsoon crops. The figures in italics represent hot weather irrigation.
19·41	...	19·41	...			
161·08	182·10	161·08	182·10	Do.	Do.	(*b*) The low duties are due to high proportion of cane which requires thrice as much water as is required for ordinary seasonal crops.
...	...	...	...			
69·76	69·29	69·76	69·29	16th June to 15th October...	16th October to 15th February.	‡ Figures for utilized discharge are not available as the quantity let into Matoba Tank was not measured. Besides water was supplied for drinking purposes to the City and Cantonment, of Poona.
125·71	117·34	125·71	117·34			
74·33	98·80	74·33	98·80			† Area under consolidated assessment.
65·95	164·90	123·87	164·90			§ Area indirectly irrigated by underground percolation from the Mutha Right Bank Canal.
(*b*) 66	(*b*) 59	...‡	...‡	16th February to 15th October.	16th October to 15th February.	(*c*) Used in filling adjoining tanks for domestic purposes and 2 acres were irrigated from water in the Chandola Tank.
301	176	301	176	16th June to 15th October.		
68·73	93·90	78·96	95·70	15th February to 14th October.	15th October to 14th February.	(*d*) This is wholly hot weather cultivation and figures in subsequent columns are based on that.
101	144	101	144	16th February to 15th October.	16th October to 15th February.	
...	...	...	...			*Parsul Tank*.—This tank was dry from June. The areas irrigated shown in column 3 were hot weather crops, etc., for which water was sufficient to end of May. As the tank was practically dry during both the seasons, no duties can be calculated. The area shown in column 4 was not irrigated on tank water but could be watered only by a tributary nala of the Parsul River below the tank.
...	...	...	...			
M.c.ft. 13·50	...	M.c.ft. 13·50	...	15th June to 14th October...	15th October to 14th February.	*Pravara River Works—Pravara Left Bank Canal*.—Small discharge available for only one month hence very low duty.
...	...	...	...			
M.c.ft. 7·86	...	M.c.ft. 7·86	...			
M.c.ft. 1·76	...	M.c.ft. 1·76	...			
M.c.ft. 36·73	...	M.c.ft. 36·73	...			
142·75	223·96	142·75	223·96	15th February to 14th October.	15th October to 14th February.	*Shirsuphal and Bhadalwadi Tanks*.—In calculating the kharif duty shown in columns 14 and 16 the hot weather area shown in Statement G is deducted from the areas shown in column 3 of this statement. The duties have been calculated on the antique figures in brackets shown in column 3.
107·24	81·42	107·24	81·42			
86·86	41·64	109·26	44·69			
...	...	...	...			
41·55	4·00	124·65	4·00			
554	649	554	649	16th June to 15th October.	16th October to 15th February.	Hot weather discharges of the Shirsuphal and Bhadalwadi tanks have not been included as they are generally very small in this season. If they are shown the duties would have to be calculated to a basis of eight months which would give greatly vitiated figures. Even during the monsoon and the rabi seasons, there is no discharge from these tanks for days together.
...	...	...	...			
78	208	78	208			
182	360	182	360			
80	205	80	205	15th February to 14th October.	15th October to 14th February.	
107	227	107	227			
185	159	185	159			
82·69	82·83	82·69	82·83	15th February to 15th October.	16th October to 15th February	
63	129	63	129			
79	118	79	118			
62	56	62	56			
202·28	172·89	202·28	172·89			
...	...	...	...			
...	...	...	...			
137	150	137	150	15th February to 14th October.	15th October to 14th February	
64	161	64	161	16th January to 15th October.	16th October to 15th January	
14	16	14	16			
87	23	87	23			
4	96	4	96			
352	...	352	...			
563	686	563	686			
...	...	...	...			
...	...	...	...			

STATEMENT

Statement showing incidence of Working Expenses and Assessed Water Revenue

No.	Name of Work.	Average Discharge of the year at Canal Head in cubic feet per second.	Water-rate Assessed.					Gross assessed Revenue from all sources.	Working Expenses, Direct and Indirect.
			Occupier's.	Owner's.	Total Direct.	Indirect.	Total Direct and Indirect.		
	Major Works.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	Protective Works.								
1	Pravara River Works—Pravara Right Bank Canal	45	17,731	...	17,731	...	17,731	18,434	30,865
2	Chankápur Tank—Girna Left Bank Canal	.....	21,017	...	21,017	...	21,017	21,147	23,676
3	Lake Beale—Darna Dam ...	.....	909	...	909	...	909	5,16,679	1,93,979
	Godávari Right Bank Canal ...	252	2,96,492	...	2,96,492	...	2,96,492		
	Do. Left Bank Canal ...	157	2,08,203	...	2,08,203	...	2,08,203		
4	Nira Canal and Shetphal Tank ...	340·64 30·86 371·50	6,33,962	...	6,33,962	...	6,33,962	6,41,121	1,24,378
5	Mhasvad Tank	54·10	50,518	...	50,518	...	50,518	57,194	21,384
	Total ...	.....	12,28,832	...	12,28,832	...	12,28,832	12,54,575	3,99,282
	Productive Works.								
9	Háthmati Canal and	55	4,081	...	4,081	...	4,081	9,294	30,741
	Khári Cut Canal	29							
10	Lower Pánjhra River Works ...	9·75	12,673	...	12,673	2,784	15,457	17,916	4,831
11	Kádva River Works. Wághad Tank ...	.....	...	...	...	...	...	728	5,306
	Pálkhed Canal ...	25·42	20,748	...	20,748	594	21,342	23,319	20,431
	Ojhar-Támbat Canal	6·27	9,133	...	9,133	...	9,133	9,238	1,950
	Wadáli Canal ...	8·23	9,313	...	9,313	...	9,313	9,660	2,448
12	Pravara River Works—Lákh Canal	15	1,673	...	1,673	225	1,898	2,393	3,123
13	Mutha Canals and Mátoba Tank	175·51 § 4·84 180·35	2,49,153	...	2,49,153	155	2,49,308	5,24,905	2,12,238
14	Ekrúk Tank	39·45	37,595	...	37,595	...	37,595	1,23,388	21,994
15	Krishna Canal	77·20	84,774	...	84,774	..	84,774	85 365	15,437
	Total ...	.....	4,29,143	...	4,29,143	3,758	4,32,901	8,06,136	3,18,499
	Total, Major Works ...	.....	16,57,975	...	16,57,975	3,758	16,61,733	20,60,711	7,17,781
	Minor Works and Navigation.								
16	Wangroli Tank	M. Cf. 137·81	2,015	...	2,015	3,125	5,140	5,373	8,997
17	Tranza-Nagramma Tanks ...	.....	...	...	...	54	54	54	2,733
18	Sávli Tank	M. Cf. 84·27	608	...	608	...	608	723	3,529
19	Sahiat do.	M. Cf. 60·64	607	...	607	636	1,243	1,391	4,854
20	Futelao do.	M. Cf. 0·49	35	...	35	...	35	142	3,907
21	Hartála do.	1·24	999	...	999	...	999	2,439	4,247
22	Mhasva do.	3·45	1,564	...	1,564	...	1,564	2,862	1,982
23	Jámda Canals	50·28	18,543	...	18,543	...	18,543	19,809	12,318
24	Parsul Tank	1·53	1,590	...	1,590	...	1,590	1,621	3,131
25	Pravara River Works—Pravara Left Bank Canal	94	4,527	...	4,527	76	4,603	5,068	16,266
26	Bhátodi Tank	1·08	6,492	...	6,492	1,411	7,903	11,906	3,854
27	Kásurdi do.	.....	60	...	60	...	60	60	720
28	Shirsuphal do.	§ 7·27	6,900	...	6,900	...	6,900	7,354	3.236
29	Bhádalvádi do.	§ 3·55	7,179	...	7,179	...	7,179	7,429	2,791
30	Koregaon do.	1·69	840	...	840	...	840	1,813	5,188
31	Ashti do.	11·76	31,465	...	31,465	...	31,465	38,859	6,134
32	Páthri do.	3·46	6,364	..	6,364	...	6,364	6,935	1,789
33	Revári Canal	2·81	2,477	...	2,477	...	2,477	2,710	1,861
34	Upper Mán River Works ...	6·16	5,573	...	5,573	...	5,573	5,774	3,409
35	Yerla River Irrigation Works ..	21·78	22,627	...	22,627	...	22,627	22,963	9,344
36	Chikhli Canal	2·74	1,030	...	1,030	...	1,030	1,068	788
37	Maini Tank	5·48	9,054	...	9,054	...	9,054	9,225	5,226
38	Muchkundi do.	.....	...	...	...	...	...	3,009	1,868
39	Gadikeri do.	.....	...	...	...	2.061	2,061	2,061	413
40	Gokák Canal, 1st Section, and Storage Works	35·93	46,686	...	46,686	...	46,686	66,537	11,779
41	Dámbal Tank	3·93	1,066	...	1,066	916	1,982	2,652	2,273
42	Medleri do.	4·53	682	...	682	...	682	1,275	602
43	Madag do.	8·39	2,552	...	2,552	...	2,552	2,924	1,211
44	Asundi do.	5·15	711	...	711	687	1,398	2,335	612
45	Mávinkop do.	1·23	...	...	...	2,279	2,279	2,279	528
46	Dharma Canal	10·11	83	...	83	—4,961	—4,878	—4,580	2,014
	Total, Minor Works ...	.....	1,82,329	...	1,82,329	6,284	1,88,613	2,34,070	1,27,494
	Grand Total ...	.....	18,40,304	...	18,40,304	10,042	18,50,346	22,94,781	8,45,275

II-E.

on Canals in the Bombay Presidency, excluding Sind, during the year 1918-1919.

Area irrigated during the year.	Working Expenses.			Occupier's Rate.		Total Water-rate, Direct and Indirect.		Remarks.
	Per cent. on Gross Revenue.	Per Acre irrigated.	Per cubic foot per second of Discharge at Canal Head.	Per Acre irrigated.	Per cubic foot per second of Discharge at Canal Head.	Per Acre irrigated.	Per cubic foot per second of Discharge at Canal Head.	
Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
7,084	167·44	4·36	685·89	2·50	394·02	2·50	394·02	
4,495	111·98	5·27	679·68	4·68	603·24	4·68	603·24	
352	38·51	4·30	441·92*	2·58	.....	2·58	...	High rates are also due to irrigation being scattered and undeveloped.
28,279				10·48	(*b*)1,176·56	10·48	(*b*)1,176·56	
17,614				11·82	(*b*)1,326·13	11·82	(*b*)1,326·13	
54,642	19·40	2·28	334·80	11·60	(*b*)1,706·49	11·60	(*b*)1,706·49	* Worked out on the working expenses of Rs. 1,80,747 for Godavari Canals only excluding working expenses for the Lake Beale as the discharges entered in column 2 of the statement are for the canals only.
9,577	37·38	2·23	395·27	5·27	933·78	5·27	933·78	
1,22,043	31·83	3·27	.....	10·07	.....	10·07	...	
1,453	330·76	10·79	365·96	1·43	48·58	1·43	48·58	† The area of 28 acres is indirectly irrigated by underground percolation and the revenue of Rs. 52 realized therefrom.
1,395								
700	26·95	1·92	495·49	5·04	1,299·00	6·15	1,585·00	
¶ 1,814								
...	...	...	.....	...	...	...	...	
2,470	37·62	8·27	803·34	8·04	816·21	8·64	839·58	
980	21·04	1·99	311·00	9·32	1,456·62	9·32	1,456·62	(*a*) The large figures are explained by the fact that the working expenses include those for the Poona water supply which is a part of the Mutha Canals Project.
1,245	25·34	1·97	297·45	7·48	1,131·59	7·48	1,131·59	
963	130·51	3·24	208·20	1·74	111·56	1·97	126·53	
17,243	(*a*)40·44	(*a*)12·31	(*a*)1,176·77	14·47	(*b*)1,381·50	14·48	(*b*)1,382·36	(*b*)The high rate is due to high proportion of sugarcane, which is high rated crop on the Godavari, Nira and Mutha Canals.
4,804	17·82	4·58	558·00	7·82	953·00	7·82	953·00	
8,127	18·10	1·90	200·14	10·43	1,098·00	10·43	1,098·00	
39,3·0	39·51	7·74	.....	10·90	.....	10·52	...	
¶ 1,814								
161,423	34·83	4·40	.....	10·16	.....	10·18	...	
¶ 1,814								
784	167·45	11·48	65·29	2·57	14·62 Per M. Cft.	6·56	37·30 Per M. Cft.	
...	1005·55	...	.....	...	...	...	...	
231	386·72	12·52	41·76	2·16	7·21 do.	2·16	7·21 do.	
107	348·96	45·36	80·05	5·67	10·01 do.	11·62	20·50 do.	
18	2,751·41	217·06	7,973·47 Per M. Cft.	1·94	71·43 do.	1·94	71·43 do.	
361	174·13	11·76	3,425·00	2·77	805·64	2·77	805·64	
670	69·25	2·96	574·00	2·33	453·33	2·33	453·33	
5,943	62·33	2·08	245·00	3·12	368·79	3·12	368·79	‡ The average discharge for 2 months only. The tank was dry from June 1918.
565	193·15	5·64	2,096·41	2·87	1,039·21	2·87	1,039·21	
2,235	320·96	7·28	173·04	2·03	48·16	2·06	49·00	
1,340	32·37	2·88	3,568·00	4·84	6,011·00	5·90	7,318	
7	1,200·00	102·86	...	8·57	...	8·57	...	The tank was dry.
1,655	44·00	1·96	445·12	4·17	949·11	4·17	949·11	§ These tanks are worked only during the monsoon and rabi seasons. Hence the discharge given is for the 8 months and not for 12 months. The discharge from these tanks in the hot weather being uncertain is not accounted for
1,390	37·57	2·01	786·20	5·16	2,022·25	5·16	2,022·25	
250	281·00	20·35	3,011·00	3·36	497·00	3·36	497·00	
5,638	15·78	1·09	522·00	5·58	2,675·00	5·58	2,675·00	
1,436	25·79	1·25	517·00	4·43	1,839·00	4·43	1,839·00	
461	68·67	4·03	662·27	5·37	881·49	5·37	881·49	
1,109	59·04	3·07	553·40	5·02	904·00	5·02	904·00	
4,496	40·69	2·08	420·47	5·03	1,038·88	5·03	1,038·88	
174	73·78	4·53	287·59	5·92	350·00	5·92	350·00	
2,276	56·65	2·31	957·66	3·98	1,652·00	3·98	1,662·00	
...	62·08	...	...	...	...	...	...	
¶ 377	20·04	1·10	...	...	...	5·47	...	
9,095	17·88	1·31	332·58	5·13	1,299·00	5·13	1,299·00	
230	85·71	6·08	538·37	4·63	271·00	5·30	504·00	
¶ 144								
55	47·21	10·95	132·89	12·04	151·00	12·04	151·00	
896	41·42	1·35	144·34	2·84	304·00	2·84	304·00	
139	26·21	1·86	118·83	5·11	138·00	4·25	271·00	¶ Area under consolidated assessment.
¶ 190								
¶ 577	23·17	0·92	429·27	...	...	3·95	1,853·00	
16	—43·97	0·25	199·21	5·19	8·21	—0·62	—482·00	
¶ 7,861								
41,617	54·47	2·51	.....	4·38	...	3·71	...	
¶ 9,149								
2,03,040	36·83	3·95	.....	8·98	...	8·65	...	
¶ 10,963								

STATEMENT

Statement of Quantity and Value of Crops irrigated in the Bombay

	(1) Pravara River Works—Pravara R. B. Canal.		(2) Chanka'pur Tank—Girna L. B. Canal.		(3A) Darna Dam (Lake Beale).		(3B) Goda'vari Right Bank Canal.	
	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Gardens and Orchards. — Vegetables	68	7,413	3	157	...	...	105	5,482
Gardens and Orchards. — Fruits and other trees	166	45,047	72	8,746	...	...	101	5,258
Sugarcane	800	3,17,970	63	22,880	...	...	4,224	28,90,948
Cereals — Wheat	357	29,520	1,827	2,34,477	...	...	12,501	7,10,678
Cereals — Barley	...	...	...	...	...	...	...	...
Cereals — Rice	10	774	28	3,661	...	...	90	5,480
Cereals — Maize	272	22,093	177	13,366	...	...	941	1,34,348
Cereals — Jowár	2,684	1,48,511	47	4,811	...	...	246	34,538
Cereals — Chino, Rági, Rála, Wara	...	...	...	...	...	...	1	15
Cereals — Bájri	1,768	55,717	869	1,12,625	...	...	3,020	1,72,502
Cereals — Miscellaneous	...	...	3	193	...	...	...	...
Pulses — Gram, Udid, Mug	256	15,117	940	1,06,164	...	...	4,025	1,63,028
Pulses — Tur	...	...	...	...	...	...	2	14
Pulses — Peas	...	...	3	360	...	...	3	86
Pulses — Groundnut	89	8,004	57	10,242	...	...	196	13,623
Pulses — Miscellaneous	...	...	...	...	...	...	...	...
Fodder Crops — Fodder	131	7,848	131	8,983	...	...	663	1,14,008
Fodder Crops — Lucerne, etc.	171	57,454	8	1,090	...	...	362	1,27,080
Fibres — Cotton	224	24,829	133	22,617	...	...	21	3,056
Fibres — Tág (Hemp)	9	681	...	...	...	...	79	3,699
Dyes	...	...	...	...	...	...	...	...
Drugs and Narcotics — Tobacco	4	680	...	...	...	...	6	1,066
Drugs and Narcotics — Bháng	...	...	...	...	...	...	...	...
Oil-seeds — Mustard, Sesam	...	...	...	...	...	...	...	...
Oil-seeds — Linseed, Castor-oil	2	195	9	666	...	...	7	220
Condiments — Chilly and Onions	57	7,210	4	666	...	...	52	6,064
Condiments — Garlic, Turmeric and Methi.	16	1,794	18	906	...	...	129	9,416
Miscellaneous	...	...	103	...	...	...	...	...
Land insufficiently irrigated	...	...	...	...	352*	...	1,505	...
Total	7,084	7,50,857	4,495	5,52,560	352	...	28,279	44,00,604
Area on which consolidated assessment is levied	...	...	...	...	...	...	...	...

* This area represents the area in the basin of Lake Beale let out for cultivation and measured as per G. R. No. 7200 of 9th August 1912. A uniform rate of Rs. 2 per acre was levied. The areas were not measured distinctly for each crop. Hence areas cannot be classified in respect of different crops and consequently no valuation of crops can be made.

III-E.

Presidency, excluding Sind, during the year 1918-1919.

(3c) Goda'vari Left Bank Canal.		(4) Nira Canal, including Shetphal Tank.		(5) Mhaswad Tank.		(9) Hathmati Canal and Khari Cut.		(10) Lower Panjhra River Works.		(11) Kadva River Works. Palkhed Canal.	
Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
76	3,503	...	...	98	6,611	...	...	...	...	34	1,636
17	1,818	136	27,200	74	5,696	21	1,260	54	2,054	60	4,426
2,860	18,73,511	11,600	46,40,000	250	1,55,957	254†	2,760	3	404	308	1,07,966
8,543	6,32,642	2,518	3,77,700	319	87,598	84	4,200	383	13,602	472	74,614
...	...	...	...	19	1,206	24	1,200	...	...	...	...
14	847	...	...	210	60,561	146	7,300	1	30	114	16,651
495	60,145	...	...	433	29,076	275	1,100	...	...	17	1,129
324	16,450	15,000	15,00,000	3,013	7,93,708	1,577	63,080	38	1,259	17	862
...	...	...	...	69	2,518	9	270	...	...	...	...
866	58,490	12,000	12,00,000	401	62,555	163	2,445	13	400	299	27,408
...	...	...	...	...	...	...	...	...	...	...	...
1,515	74,370	2,300	2,30,000	619	85,915	43	1,290	2	157	151	11,302
4	145	200	20,000	11	1,744	...	...	...	...	...	...
1	5	...	...	...	...	...	...	28	500	...	...
124	8,800	5,000	7,50,000	3,183	5,20,281	7	210	107	10,699	554	55,362
...	...	...	...	...	...	...	...	...	...	...	...
427	72,571	700	70,000	261	50,998	...	...	...	...	105	10,515
273	85,351	120	24,000	1	27	...	...	...	...	21	2,910
3	480	330	66,000	378	85,630	117	5,850	61	3,760	...	...
104	5,006	350	35,000	...	...	2	100	...	...	35	2,572
...	...	...	...	...	...	...	...	...	...	...	...
13	1,647	20	2,000	1	20	...	...	...	...	18	1,728
...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	1	236	...	...	...	...	...	...
3	90	...	...	...	...	18	1,440	...	...	...	...
29	3,692	1,850	5,55,000	84	9,817	...	...	...	...	185	50,950
138	8,521	...	...	4	1,207	...	...	2	165	28	2,783
...	...	2,518	1,15,580	2	210	108	1,080	2	100	...	...
1,845	...	...	...	146	...	...	...	6	...	52	...
17,614	29,08,084	54,642	96,12,480	9,577	19,61,631	2,848	93,585	700	33,130	2,470	3,72,814
...	...	...	...	...	...	...	...	1,814	...	...	...

†Actual plantation is 138 acres. Total area charged in different Seasons is 254 acres.

STATEMENT

	(11) Ka'dva River Works—concluded.						(12) Pravara River Works—La'kh Canal.	
	Ojhar-Tambat Canal.		Wadáli Canal.		Wághad Tank.			
	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Gardens and Orchards. — Vegetables	25	1,771	13	643	...	...	19	981
Gardens and Orchards. — Fruits and other trees	10	1,100	21	2,945	...	...	38	9,763
Sugarcane	209	62,602	137	47,862	...	...	9	2,888
Cereals — Wheat	113	16,920	377	56,599	...	...	149	10,473
Cereals — Barley	...	...	...	...	...	...	...	...
Cereals — Rice	1	37	26	3,728	...	...	...	...
Cereals — Maize	7	994	35	5,171	...	...	65	5,065
Cereals — Jowár	9	442	...	...	...	...	43	2,410
Cereals — Chino, Rági, Rála, Wara	...	...	...	...	...	...	...	...
Cereals — Bájri	140	10,522	207	14,464	...	...	359	4,563
Cereals — Miscellaneous	...	...	...	...	...	...	...	...
Pulses — Gram, Udid, Mug	77	6,008	89	6,703	...	...	173	6,921
Pulses — Tur	...	...	...	...	...	...	...	...
Pulses — Peas	...	...	...	...	...	...	...	...
Pulses — Groundnut	103	10,325	138	13,775	...	...	19	1,391
Pulses — Miscellaneous	...	...	...	...	...	...	...	...
Fodder Crops. — Fodder	37	6,660	72	13,834	...	...	10	580
Fodder Crops. — Lucerne, etc.	29	4,410	9	1,780	...	...	11	4,020
Fibres — Cotton	...	...	...	...	...	...	39	1,254
Fibres — Tág (Hemp)	21	1,554	34	2,028	...	...	...	...
Dyes	...	...	...	...	...	...	...	...
Drugs and Narcotics. — Tobacco	...	...	...	...	...	...	3	200
Drugs and Narcotics. — Bháng	...	...	...	...	...	...	...	...
Oil-seeds — Mustard, Sesam	...	...	...	...	...	...	...	...
Oil-seeds — Linseed, Castor-oil	...	...	...	...	...	...	...	...
Condiments... — Chilly and Onions	141	47,967	35	5,960	...	...	25	2,286
Condiments... — Garlic, Turmeric and Methi.	11	2,442	34	5,650	...	...	1	2
Miscellaneous	...	...	...	...	...	...	...	...
Land insufficiently irrigated	47	...	18	...	...	...	...	...
Total	980	1,73,754	1,245	1,81,142	...	...	963	52,797
Area on which consolidated assessment is levied	...	...	...	...	...	...	...	...

III-E—*continued.*

(13) Mutha Canals, including Ma'toba Tank.		(14) Ekruk Tank.		(15) Krishna Canal.		(16) Wa'ngroli Tank.		(17) Tra'nza-Na-gra'mma Tanks.		(18) Savli Tank.	
Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
745	1,49,000	23	1,090	...	...	...	...	...	...	...	...
831	2,49,300	48	3,600	44	4,400	...	...	...	...	...	...
5,059	25,29,500	427	2,13,500	2,035	16,14,372	...	...	...	...	...	...
158	23,700	332	37,867	325	32,500	...	...	...	...	...	...
1	50	5	260	148	11,840	...	...	...	...	...	...
608	60,800	353	21,180	782	62,560	131	7,860	...	...	34	2,040
248	24,800	41	1,344	86	6,880	27	540	...	...	23	460
1,050	1,05,000	1,892	1,88,200	2,845	2,84,500	5	200	...	...	...	...
1	50	...	...	13	650	2	40	...	...	1	20
2,142	2,14,200	25	1,560	27	1,350	330	16,500	...	...	116	5,800
2,372	2,37,200	...	...	53	2,650	...	...	...	...	...	...
184	18,400	219	12,900	349	21,650	...	...	...	...	...	...
41	4,100	7	448	...	...	...	...	...	...	...	...
4	400	...	...	...	...	...	...	...	...	...	...
144	21,600	685	1,23,387	190	19,000	...	...	...	...	...	...
...	...	1	20	141	14,100	...	...	...	...	...	...
1,957	1,95,700	122	15,250	178	17,800	222	8,880	...	...	106	4,240
247	49,400	3	600	...	...	...	...	...	...	...	...
15	3,000	518	51,900	19	5,700	42	2,100	...	...	1	50
57	5,700	...	...	45	4,500	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...
11	1,100	3	300	2	400	...	...	...	...	...	...
16	1,600	...	...	...	...	...	...	...	...	...	...
15	1,500	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	2	40	...	...	...	...
164	49,200	44	5,800	133	26,600	13	650	...	...	...	...
14	1,400	8	2,700	635	3,17,500	...	...	...	...	...	...
807*	41,750	48	...	77	7,700	10†	...	...	...	...	...
352	...	...	...	...	...	...	...	...	...	...	...
17,243	39,88,450	4,804	6,81,906	8,127	24,56,652	784	36,810	...	...	281	12,610
...	...	...	...	...	...	...	...	...	...	...	...

* Includes an area of 28 acres indirectly irrigated by underground percolation from the Mutha Right Bank Canal. The areas were not measured distinctly for each crop and the valuation, *viz.*, Rs. 2,800, included in the estimated value, is based on the consideration on the general condition of the crops in the year under report as well as the Bazar rates then prevailing.

† Water was given for ploughing purposes.

STATEMENT

	(19) Sahiat Tank.		(20) Futelao Tank.		(21) Hartála Tank.	
	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Gardens and Orchards. — Vegetables	...	...	...	...	15	438
Gardens and Orchards. — Fruits and other trees	...	...	...	...	...	...
Sugarcane	...	...	...	...	22	6,675
Cereals — Wheat	...	...	...	...	244	4,544
Cereals — Barley	...	...	...	...	...	...
Cereals — Rice	...	...	...	...	...	...
Cereals — Maize	...	...	18	900	...	...
Cereals — Jowár	...	...	...	...	40	1,008
Cereals — Chino, Rági, Rála, Wara	...	...	...	...	...	...
Cereals — Bájri	...	...	...	...	...	...
Cereals — Miscellaneous	...	...	...	...	...	...
	...	...				
Pulses — Gram, Udid, Mug	...		...	...	16	125
Pulses — Tur	...	...	...	...	...	...
Pulses — Peas	...	...	...	...	...	...
Pulses — Groundnut	...	...	...	...	3	300
Pulses — Miscellaneous	...	...	...	...	...	...
	...	...				
Fodder Crops — Fodder	98	3,920	...	...	6	100
Fodder Crops — Lucerne, etc.	...	...	...	...	...	...
Fibres — Cotton	...	...	...	...	3	300
Fibres — Tág (Hemp)	...	...	...	...	...	...
Dyes	...	...	...	...	...	...
Drugs and Narcotics. — Tobacco	...	...	...	...	...	...
Drugs and Narcotics. — Bháng	...	...	...	...	...	...
Oil-seeds — Mustard, Sesam	...	...	...	...	...	...
Oil-seeds — Linseed, Castor-oil	...	...	...	...	...	...
Condiments — Chilly and Onions	9	450	...	...	12	270
Condiments — Garlic, Turmeric and Methi.	...	...	...	...	...	...
Miscellaneous	...	...	...	...	...	...
Land insufficiently irrigated	...	...	...	...	...	...
Total	107	4,370	18	900	361	13,760
Area on which consolidated assessment is levied	...	...	...	...	...	...

III-E—*continued.*

(22) Mhasva Tank.		(23) Ja'mda Canals.		(24) Parsul Tank.		(25) Pravara River Works—Pravara L. B. Canal.		(26) Bha'todi Tank.	
Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
10	2,885	367	1,68,436	1	31	58	2,521	...	...
...	...	...	...	19	3,487	122	30,591	...	...
...	...	176	69,990	10	3,097	92	43,801	7	3,150
347	14,532	1,260	71,630	68	4,657	27	3,332	24	5,760
...	...	...	...	...	...	...	...	...	...
...	...	44	2,608	...	...	6	401	7	420
...	...	6	165	14	1,082	85	7,166	12	1,560
198	17,043	2,530	1,54,884		...	101	9,397	820	2,29,600
...	...	...	...	...	...	1	59	...	...
11	685	160	10,221	66	3,309	1,475	76,236	185	27,750
...	...	...	...	...	...	...	...	...	...
77	1,733	108	5,805	138	8,477	11	669	71	8,595
...	...	...	...	...	...	...	...	...	...
...	...	6	476	...	...	...	...	...	...
6	335	10	816	4	247	7	492	82	43,050
...	...	...	...	...	...	...	...	...	...
3	150	19	444	33	1,482	11	690	...	...
...	...	2	82	...	...	52	9,414	1	1,000
17	1,275	1,191	97,669	172	10,309	174	51,097	18	2,160
...	...	3	114	...	...	1	75	...	...
...	...	...	...	...	...	...	...	...	...
1	200	1	52	...	...	2	728	...	...
...	...	...	...	...	...	...	...	71	10,650
...	...	...	...	...	...	...	...	...	...
...	...	2	60	...	...	...	...	...	...
...	...	51	6,789	...	...	10	1,295	26	4,550
...	...	7	209	24	1,413	...	...	...	...
...	...	...	...	...	...	...	...	16	8,800
...	...	...	...	6	...	...	...	...	...
670	38,838	5,943	5,90,450	555	37,591	2,235	2,37,964	1,340	3,47,045
...	...	...	...	...	...	...	...	...	...

STATEMENT

	(27) Kásuedi Tank.		(28) Shirsuphal Tank.		(29) Bhádalvádi Tank.	
	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Gardens and Orchards. — Vegetables	...	...	5	500	2	200
Gardens and Orchards. — Fruits and other trees	1	100	19	3,800	2	600
Sugarcane	6	1,800	28	11,200	137	54,800
Cereals — Wheat	...	...	47	4,700	38	5,700
Cereals — Barley	...	...	...	...	...	...
Cereals — Rice	...	...	1	100	23	2,300
Cereals — Maize	...	...	...	...	...	...
Cereals — Jowár	...	...	581	58,100	112	11,200
Cereals — Chino, Rági, Rála, Wara	...	...	...	...	1	100
Cereals — Bájri	...	...	135	13,500	81	8,100
Cereals — Miscellaneous	...	...	642	64,200	876	87,600
Pulses — Gram, Udid, Mug	...	...	43	4,300	35	3,500
Pulses — Tur	...	...	5	500	10	1,000
Pulses — Peas	...	...	...	...	...	...
Pulses — Groundnut	...	...	23	3,450	41	6,150
Pulses — Miscellaneous	...	...	...	...	...	...
Fodder Crops — Fodder	...	...	...	...	...	...
Fodder Crops — Lucerne, etc.	...	...	31	3,100	1	100
Fibres — Cotton	...	...	63	6,300	9	900
Fibres — Tág (Hemp)	...	...	...	...	...	...
Dyes	...	...	...	...	...	...
Drugs and Narcotics. — Tobacco	...	...	2	200	...	...
Drugs and Narcotics. — Bháng	...	...	...	...	...	...
Oil-seeds — Mustard, Sesam	...	...	...	...	...	...
Oil-seeds — Linseed, Castor-oil	...	...	...	...	...	...
Condiments — Chilly and Onions	...	...	14	2,100	3	450
Condiments — Garlic, Turmeric and Methi.	...	...	...	...	...	...
Miscellaneous	...	...	11	1,100	19	1,900
Land insufficiently irrigated	...	...	5	...	...	...
Total	7	1,900	1,655	1,77,150	1,390	1,84,600
Area on which consolidated assessment is levied	...	...	...	...	...	...

III-E—*continued.*

(30) Koregaon Tank.		(31) Ashti Tank.		(32) Pa'tbri Tank.		(33) Revári Canal.		(34) Upper Mán River Works.		(35) Yerla River Irrigation Works.	
Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
4	40	3	249	17	125	...	...	...	...	...	...
...	...	45	8,234	6	501	8	570	1	200	73	15,700
...	...	183	58,986	6	480	26	4,660	49	2,450	273	52,920
...	...	409	28,064	52	465	195	6,592	65	3,020	310	36,576
...	...	2	40	...	...	13	294	20	600	...	...
27	320	279	38,691	45	545	95	661	2	60	128	5,150
1	45	120	7,344	6	250	4	10	52	2,080	108	3,456
87	3,645	3,144	9,955	974	40,885	...	...	555	37,080	1,826	2,64,894
34	208	...	...	24	156	...	....	25	750	32	2,072
...	....	7	441	7	87	...	...	104	2,600	439	27,657
...	...	...	...	...	...	...	...	...	...	...	...
...	...	259	12,929	45	575	26	290	97	3,880	678	1,38,584
...	...	...	...	9	127	...	...	...	...	21	672
...	...	...	...	...	...	...	...	...	...	...	...
7	208	455	57,642	175	5,244	9	38	...	...	...	...
...	...	...	...	11	85	...	...	...	...	...	...
...	...	51	7,435	1	25	...	...	44	1,320	21	840
...	...	...	...	...	...	...	...	37	1,850	274	21,920
...	...	393	1,01,820	22	993	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	1	128	2	1,280
...	...	...	...	..	...	...	...	...	...	...	...
...	...	...	...	4	18	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...
15	760	41	4,627	12	576	9	131	26	3,468	110	9,100
75	5,655	3	630	20	1,507	49	183	...	...	20	4,400
...	...	244	...	...	...	27	520	31	2,050	181	36,040
...	...	...	...	...	...	...	...	...	...	...	...
250	10,881	5,638	3,37,087	1,436	52,644	461	13,949	1,109	61,536	4,496	6,21,261
...	...	...	...	...	...	...	...	...	...	...	...

STATEMENT

	(36) Chikhli Canal.		(37) Maini Tank.		(38) Muchkundi Tank.		(39) Gadikeri Tank.		(40) Gokák Canal, 1st Section, and Storage Works.	
	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
Gardens and Orchards. Vegetables	...	...	...	...	...	...	...	...	45	2,250
Gardens and Orchards. Fruits and other trees	2	200	19	3,800	...	...	...	...	50	5,000
Sugarcane	35	27,844	46	35,880	...	...	...	...	338	75,712
Cereals. Wheat	...	...	70	5,192	...	...	...	...	...	...
Cereals. Barley	14	1,120	...	...	...	...	...	...	161	7,728
Cereals. Rice	4	320	16	640	...	...	...	...	212	13,568
Cereals. Maize	2	160	44	1,408	...	...	...	...	2,895	1,21,590
Cereals. Jowár	18	1,800	1,170	1,71,990	...	...	...	...	2,486	1,19,328
Cereals. Chino, Rági, Rála, Wara	...	...	21	1,344	...	...	...	...	400	9,600
Cereals. Bájri	...	...	319	20,097	...	...	...	...	32	192
Cereals. Miscellaneous	5	250	...	...	...	...	...	...	...	...
Pulses. Gram, Udid, Mug	11	1,100	313	65,730	...	...	...	...	146	2,336
Pulses. Tur	...	...	...	...	...	...	...	...	29	435
Pulses. Peas	...	...	...	...	...	...	...	...	...	...
Pulses. Groundnut	...	...	178	14,240	...	...	...	...	58	482
Pulses. Miscellaneous	3	300	...	...	...	...	...	...	...	...
Fodder Crops. Fodder	1	100	...	...	...	...	...	...	...	...
Fodder Crops. Lucerne, etc.	...	...	...	...	...	...	...	...	...	...
Fibres. Cotton	5	1,500	1	200	...	...	...	...	308	19,250
Fibres. Tág (Hemp)	...	...	...	...	...	...	...	...	242	4,840
Dyes	...	...	...	...	...	...	...	...	...	...
Drugs and Narcotics. Tobacco	...	...	2	1,280	...	...	...	...	...	...
Drugs and Narcotics. Bháng	...	...	...	...	...	...	...	...	...	...
Oil-seeds. Mustard, Sesam	...	...	...	...	...	...	...	...	...	...
Oil-seeds. Linseed, Castor-oil	...	...	...	...	...	...	...	...	1	8
Condiments. Chilly and Onions	24	7,200	19	1,580	...	...	...	...	780	99,840
Condiments. Garlic, Turmeric and Methi.	48	24,000	7	1,296	...	...	...	...	2	64
Miscellaneous	2	200	51	1,140	...	...	...	...	910	1,820
Land insufficiently irrigated	...	...	...	...	...	...	...	...	...	...
Total	174	66,094	2,276	3,25,817	...	...	...	...	9,095	4,84,043
Area on which consolidated assessment is levied	...	...	...	...	...	...	377	...	...	...

III-E—*concluded.*

(41) Dambal Tank.		(42) Medleri Tank.		(43) Madag Tank.		(44) Asundi Tank.		(45) Mávinkop Tank.		(46) Dharma Canal.		Total.	
Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.	Area irrigated.	Estimated Value.
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
19	346	3	90	14	1,085	24	1,866	...	...	...	...	1,796	3,59,349
3	29	32	3,882	2	183	1	80	...	...	...	...	2,098	4,49,570
15	769	12	1,610	1	208	42	5,933	...	...	...	...	29,742	1,49,45,035
...	...	...	...	...	...	...	...	...	...	...	...	31,614	25,37,854
...	...	...	...	...	...	...	...	...	...	...	...	407	24,338
2	26	...	...	392	11,763	...	...	...	...	16	800	3,847	3,31,882
...	...	...	...	...	...	...	...	...	...	...	...	6,509	4,53,727
85	2,300	3	60	...	...	16	321	...	...	...	...	43,536	42,77,461
9	180	...	...	3	37	6	110	...	...	...	...	652	18,179
...	...	...	...	...	...	...	...	...	...	...	...	25,706	21,51,976
...	...	...	...	...	...	...	...	...	...	...	...	3,951	3,92,093
4	8	...	...	2	33	...	...	...	...	...	...	13,022	10,18,589
...	...	...	...	...	...	...	...	...	...	...	...	339	29,185
...	...	...	...	...	...	...	...	...	...	...	...	45	1,827
...	...	...	...	...	...	...	...	...	...	...	...	11,654	16,99,393
...	...	...	...	...	...	...	...	...	...	...	...	156	14,505
...	...	...	...	...	...	...	...	...	...	...	...	5,410	6,14,373
...	...	...	...	...	...	...	...	...	...	...	...	1,653	3,95,588
33	102	...	...	13	1,044	1	40	...	...	...	...	4,324	5,71,245
...	...	...	...	...	...	1	30	...	...	...	...	983	65,899
...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	92	13,009
...	...	...	...	...	...	...	...	...	...	...	...	87	12,250
27	412	...	...	...	...	...	...	...	...	...	...	47	2,166
...	...	...	...	...	...	...	...	...	...	...	...	44	2,719
6*	...	5	468	190	10,533	87	1,994	...	...	...	...	4,215	9,28,043
27	112	...	...	263	14,979	11	472	...	...	...	...	1,594	4,09,406
...	...	...	...	16	...	...	...	...	...	...	...	5,183	2,19,990
...	...	...	...	...	...	...	..	...	...	...	...	4,334	...
230	4,284	55	6,110	896	39,865	139	10,846	...	...	16	800	2,03,040	3,19,39,651
144	...	...	...	...	...	190	...	577	...	7,861	...	10,963	...

*The crops were eaten up by insects while young.

STATEMENT

Comparative Statement of Irrigation and Rainfall for the years 1917-1918

Civil District.	Of the Civil District.			Works supplying Irrigation.		Culturable area commanded by the Irrigation Works in Column 6 in Acres.
	Total area in Acres.	Culturable area in Acres.	Cultivated area in Acres.	No.	Name.	
1	2	3	4	5	6	7
	Acres.	Acres.	Acres.			Acres.
Ahmedabad ...	2,451,927	1,822,212	825,698	9	Hathmati Canal	28,840
					Khári Cut „	20,000
					Total ...	48,840
Kaira	1,027,119	871,007	661,243	16	Wangroli Tank	5,000
				17	Tranza-Nagrama Tanks	1,290
				18	Savli Tank	4,700
				19	Saiat „	4,000
					Total ...	14,990
Panch Mahals ...	1,028,987	707,815	392,991	20	Futelao Tank	1,200
West Khándesh..	3,481,246	1,740,221	1,125,125	10	Lower Pánjhra River Works... ...	12,627
Eas Khándesh ...	2,908,601	2,125,529	1,950,105	21	Hartala Tank	527
				22	Mhaswa „	4,075
				23	Jámda Canals	40,185
					Total ...	44,787
Poona District	3,421,521	2,539,645	1,033,201	4	Nira Canal and Shetphal Tank	227,670
				13	Mutha Canals including Mátoba Tank	49,800
				27	Kásurdi Tank	478
				28	Shirsuphal „	2,500
				29	Bhádalvádi „	2,400
					Total ...	282,848
Nasik District ...	3,769,870	2,554,173	1,543,706	2	Chankapur Tank—Girna Left Bank Canal.	15,109
				11	Kádva River Works. Wághad Tank ...	...
					Pálkhed Canal ...	26,280
					Ojhár-Támbat Canal	7,421
					Wadáli Canal ...	2,729
				24	Parsul Tank	3,197
				3	Godavari River Works— Lake Beale Dam ...	83,000
					Godavari Right Bank Canal ...	
					Godavari Left Bank Canal	
					Total ...	137,736
Ahmednagar District.	4,241,861	3,249,639	1,792,020	3	Godavari River Works— Godavari Right Bank Canal ...	136,390
					Godavari Left Bank Canal	
				1	Pravara Right Bank Canal	60,000
				12	Lákh Canal	25,536
				25	Pravara Left Bank Canal	21,155
				26	Bhátodi Tank	13,657
					Total ...	256,738
Sholápur District.	2,916,026	2,531,318	1,860,511	5	Mhaswad Tank	102,400
				14	Ekrúk „	16,941
				30	Koregaon „	2,394
				31	Ashti „	16,825
				32	Páthri „	4,586
					Total ...	143,146

IV-E.

and 1918-1919 in the Bombay Presidency, excluding Sind.

Area at present estimated as annually irrigable by the works specified in Column 6.	AREA IRRIGATED IN ACRES.						RAINFALL.		REMARKS.
	1917-1918.			1918-1919.			1917-1918.	1918-1919.	
	Kharif.	Rabi.	Total.	Kharif.	Rabi.	Total.			
8	9	10	11	12	13	14	15	16	17
Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inches.	Inches.	
8,000	1,075	4,569	5,644	1,194	259	1,453	47·23	7·13	At Prántij.
16,000	9,121	1,349	10,470	1,393	2	1,395	49·53	9·36	At Ahmedabad Civil Hospital.
24,000	10,196	5,918	16,114	2,587	261	2,848			
3,400	83	200	283	784	...	784	51·90	8·31	Rain-gauges fixed on the tanks.
800	...	30	30	...	...	...	58·52	4·17	
3,000	91	29	120	281	...	281	52·90	6·73	
2,000	2	146	148	107	...	107	53·34	8·34	
9,200	176	405	581	1,172	...	1,172			
800	...	45	45	18	...	18	43·69	12·34	
12,627	54	816	870	330	370	700	23·56	8·40	* Area under consolidated assessment.
	*1,195	*619	*1,814	*1,197	*617	*1,814			
415	28	73	101	197	164	361	29·87	12·62	
1,700	26	154	180	296	374	670	26·24	13·14	
5,000	558	926	1,484	4,647	1,296	5,943	28·98	9·11	
7,115	612	1,153	1,765	5,140	1,834	6,974			
113,280	25,897	5,313	31,210	31,994	17,886	49,880	24·21	11·20	
4,200	2,771	470	3,241	3,251	1,511	4,762	28·68	9·44	
16,800	11,104	799	11,903	13,228	2,077	15,305 †28	31·97	14·58	
3,250	1,217	676	1,893	1,616	294	1,910	22·21	5·13	
150	18	48	66	7	...	7	18·39	3·14	
1,800	589	274	863	751	904	1,655	21·06	9·56	
2,000	860	129	989	1,008	387	1,390	23·36	14·43	
141,480	42,456	7,709	50,165	51,850	23,059	74,909 †28			
5,100	1,716	1,757	3,473	1,737	2,758	4,495	15·34	6·66	
...	...	...	...	...	...	...	...	...	
9,837	1,275	1,250	2,525	1,731	739	2,470	24·68	11·82	
2,367	808	373	1,181	703	277	980	16·68	8·76	
2,433	339	323	662	736	509	1,245	16·81	7·41	
1,000	446	671	1,117	520	35	555	10·52	3·95	
30,109§	317	336	653	214	108	352	31·51	13·33	
	900	1,174	2,074	941	2,667	3,608	16·15	8·15	
	645	1,278	1,923	938	4,546	5,484	16·15	8·15	
50,846	6,446	7,162	13,608	7,550	11,639	19,189			
49,331§	5,443	7,414	12,857	7,665	17,006	24,671	16·15	8·15	
	2,209	2,666	4,875	3,634	8,446	12,130	16·15	8·15	
24,656	2,042	1,588	3,630	5,270	1,814	7,084	24·05	12·91	
11,280	593	248	841	559	404	963	26·29	14·29	
14,763	816	993	1,809	2,119	116	2,235	24·05	12·91	
12,124	139	641	780	431	909	1,340	34·04	14·93	
112,154	11,242	13,550	24,792	19,728	28,695	48,423			
24,300	3,686	2,080	5,766	4,571	4,484	9,055	23·91	10·77	
16,941	1,770	614	2,384	2,330	2,474	4,804	33·49	9·73	
1,050	86	422	508	163	87	250	23·97	8·09	
11,780	1,217	1,039	2,256	1,540	4,093	5,638	26·78	12·68	
2,500	136	1,016	1,152	361	1,075	1,436	35·89	8·90	
56,571	6,895	5,171	12,066	8,965	12,218	21,183			

§ The Godavari Canals project is complete and hence the area irrigable at present is the same as projected.

† Area indirectly irrigated by under ground percolation from the Mutha Right Bank Canal.

STATEMENT

Civil District.	Of the Civil District.			Works supplying Irrigation.		Culturable area commanded by the Irrigation Works in Column 6 in Acres.
	Total area in Acres.	Culturable area in Acres.	Cultivated area in Acres.	No.	Name.	
1	2	3	4	5	6	7
	Acres.	Acres.	Acres.			Acres.
				5	Mhaswad Tank	3,814
				15	Krishna Canal	26,453
				33	Revári „	3,624
Sátára	3,140,970	2,360,442	2,328,925	34	Upper Mán River Works	7,623
				35	Yerla River Irrigation Works ...	10,680
				36	Chikhli Canal	1,478
				37	Maini Tank	4,625
					Total ...	58,297
Bijápur	3,652,827	3,283,103	2,909,272	38	Muchkundi Tank	5,417
Belgaum ...	2,952,485	2,269,831	1,599,396	39	Gadikeri Tank	Not known.
				40	Gokák Canal, 1st Section and Storage Works	17,627
					Total ...	17,627
				41	Dámbal Tank	2,500
				42	Medleri „	880
Dhárwár ...	2,946,961	2,462,112	2,115,723	43	Madag „	1,345
				44	Asundi „	1,011
				45	Dharma Canal	12,870
					Total ...	18,556
Kánara	2,525,954	381,466	338,262	45	Mávinkop Tank	755
	40,466,355	28,898,513	20,475,678		Grand Total ...	1,043,564

IV-E—*concluded.*

Area at present estimated as annually irrigable by the works specified in Column 8.	Area irrigated in Acres.						Rainfall.		Remarks.
	1917-18.			1918-19.			1917-18.	1918-19.	
	Kharif.	Rabi.	Total.	Kharif.	Rabi.	Total.			
8	9	10	11	12	13	14	15	16	17
Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Inches.	Inches.	
500	127	141	268	184	338	522	22·06	10·75	
12,320	2,914	590	3,504	5,530	2,597	8,127	22·45	11·51	
1,920	242	479	721	239	222	461	22·25	14·16	
2,080	464	388	852	413	696	1,109	13·98	10·43	
5,480	846	2,194	3,040	1,606	2,890	4,496	17·67	10·24	
1,478	228	65	293	141	33	174	17·92	15·44	
4,625	447	1,386	1,833	706	1,570	2,276	20·29	11·88	
28,403	5,268	5,243	10,511	8,819	8,346	17,165			
750	...	...	...	...	...	...	18·25	16·16	
417	377*	...	377*	377*	...	377*	29·20	26·14	
17,627	4,795	1,746	6,541	5,206	3,889	9,095	20·20	13·48	
18,044	4,795 377*	1,746	6,541 377*	5,206 377*	3,889	9,095 377*			
1,000	99 144*	54	153 144*	177 144*	53	230 144*	25·00	15·05	
600	72	1	73	45	10	55	27·74	11·36	
1,345	331	256	587	685	211	896	29·24	22·00	
1,011	90	40 190*	130 190*	117	22 190*	139 190*	26·01	14·23	
12,870	627 7,504*	... 357*	627 7,861*	16 7,504*	... 357*	16 7,861*	72·64	49·62	
16,826	1,219 7,648*	351 547*	1,570 8,195*	1,040 7,648*	296 547*	1,336 8,195*			
617	388*	...	388*	577*	...	577*	No rain-gauge.		
479,433	89,359 9,608*	49,269* 1,166*	138,628 10,774*	112,405 9,799*	90,607 1,164*	203,012 281† 10,963*			

* Area under consolidated assessment.

† Area indirectly irrigated by underground percolation from the Mutha Right Bank Canal.

STATEMENT F.

Statement showing the Operation of Irrigation Works in the Bombay Presidency, excluding Sind, for the year 1918-1919.

No.	Names of Works.	Amount due, 1918-1919.		Remissions.		Total.		Grand Total.	Remarks.
		Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.		
1	2	3	4	5	6	7	8	9	10
	Major Works.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
	Protective Works.								
1	Pravara River Works—Pravara Right Bank Canal	12,346	5,385	...	...	12,346	5,385	17,731	
2	Chankapur Tank—Girna Left Bank Canal	7,178	13,839	...	...	7,178	13,839	21,017	
3	Lake Beale (Darna Dam) ...	648	261	...	...	648	261	909	
	Godavari Right Bank Canal ...	1,95,352	1,01,140	...	...	1,95,352	1,01,140	2,96,492	
	Godavari Left Bank Canal ...	1,40,609	67,594	...	...	1,40,609	67,594	2,08,203	
4	Nira Canal and Shetphal Tank combined	5,21,063	1,13,056	157	...	5,20,906	1,13,056	6,33,962	
5	Mhasvad Tank	26,098	24,419	...	...	26,098	24,419	50,517	
	Total ...	9,03,294	3,25,694	157	...	9,03,137	3,25,694	12,28,831	
	Productive Works.								
9	Hathmati and Khari Cut Canals combined	3,878	498	295	...	3,583	498	4,081	
10	Lower Pánjhra River Works ...	7,708	4,965	...	...	7,708	4,965	12,673	
11	Kádva River Works. Wághad Tank ...	...	...	...	...	...	...	...	
	Kádva River Works. Pálkhed Canal ...	15,443	5,305	...	...	15,443	5,305	20,748	
	Kádva River Works. Ojhar Támbat Canal	7,758	1,375	...	...	7,758	1,375	9,133	
	Kádva River Works. Wadáli Canal ...	6,417	2,896	...	...	6,417	2,896	9,313	
12	Pravara River Works—Lákh Canal	884	789	...	...	884	789	1,673	
13	Mutha Canals and Mátoba Tank combined	2,34,736	16,004	460	...	2,34,276	16,004	2,50,280*	* In addition to this Rs. 2,18,346 were due from the Poona water supply for this year. The Poona water supply revenue is creditable to Mutha Canals.
14	Ekrúk Tank	24,510	13,084	...	...	24,510	13,084	37,594	
15	Krishna Canal	71,544	13,231	...	...	71,544	13,231	84,775	
	Total ...	3,72,878	58,147	755	...	3,72,123	58,147	4,30,270	
	Total, Major Works ...	12,76,172	3,83,841	912	...	12,75,260	3,83,841	16,59,101	
	Minor Works and Navigation.								
16	Wangroli Tank	2,015	...	...	...	2,015	...	2,015	
17	Tranza-Nagramma Tanks ...	...	...	...	...	...	...	...	
18	Savli Tank	608	...	...	...	608	...	608	
19	Sahiat do.	608	...	...	...	608	...	608	
20	Futelao do.	35	...	...	...	35	...	35	
21	Hartála do.	644	355	...	...	644	355	999	
22	Mhasva do.	689	875	...	...	689	875	1,564	
23	Jámda Canals	13,711	4,832	...	...	13,711	4,832	18,543	
24	Parsul Tank	1,381	209	...	...	1,381	209	1,590	
25	Pravara River Works—Pravara Left Bank Canal	4,408	119	...	...	4,408	119	4,527	
26	Bhátodi Tank	2,134	4,358	...	...	2,134	4,358	6,492	
27	Kásurdi do.	60	...	...	...	60	...	60	
28	Shirsuphal do.	3,260	3,640	...	...	3,260	3,640	6,900	
29	Bhádalvádi do.	5,531	1,648	...	...	5,531	1,648	7,179	
30	Koregaon do.	714	126	...	...	714	126	840	
31	Ashti do.	9,774	21,717	26	...	9,748	21,717	31,465	
32	Páthri do.	1,587	4,777	...	...	1,587	4,777	6,364	
33	Revári Canal	1,607	927	22	36	1,585	891	2,476	
34	Upper Mán River Works ...	2,415	3,158	...	...	2,415	3,158	5,573	
35	Yerla River Irrigation Works ...	9,099	13,537	3	6	9,096	13,531	22,627	
36	Chikhli Canal	653	377	...	...	653	377	1,030	
37	Maini Tank	1,979	7,076	...	...	1,979	7,076	9,055	
38	Muchkundi Tank	...	...	...	...	...	...	...	
39	Gadikeri do.	...	...	...	...	...	...	...	
40	Gokák Canal, 1st Section, and Storage Works	26,765	19,921	...	...	26,765	19,921	46,686	
41	Dámbal Tank	908	158	...	...	908	158	1,066	
42	Medleri do.	639	43	...	...	639	43	682	
43	Madag do.	1,716	836	...	...	1,716	836	2,552	
44	Asundi do.	612	99	...	...	612	99	711	
45	Mávinkop do.	...	...	...	...	...	...	...	
46	Dharma Canal	83	...	...	...	83	...	83	
	Total, Minor Works ...	93,635	88,788	51	42	93,584	88,746	1,82,330	
	Grand Total ...	13,69,807	4,72,629	963	42	13,68,844	4,72,587	18,41,431	

STATEMENT I-F.

Statement showing water-rates per acre in force during 1918-1919 on Irrigation Works in the Bombay Presidency, excluding Sind.

No.	Names of Works.	Water-rates. Irrigation in blocks.	Perennial.	Early eight months.	Monsoon four months.	Rabi four months.	Hot weather.	Miscellaneous	Single watering.	Occupier's rate.	Owner's rate.	Water advantage.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	13	13	14
	Major Works.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.				
	Protective Works												
1	Pravara River Works—Pravara Right Bank Canal.(a) §	...	...	...	2	3	4	...	1				(a) Sanctioned till an assured supply of water can be given from the Reservoir at Bhandardara. *Vide* Government Resolutions No. A.I.—1902, dated 1st September 1910, No. A. I-2696, dated 8th March 1913 and No. A.I.—10637, dated 2nd November 1917.
2	Girna Left Bank Canal.(b) §	...	14	8	3	5	6	...	1 *2				(b) Rates sanctioned in Government Resolutions Nos. A.I.—1431 and 1964, dated 26th June 1910 and 4th October 1911 respectively.
3	Godavari Right Bank Canal (c) § Godavari Left Bank Canal (c) §	...	22½	12	3	5	7	...	(A) 1 (B) 2				(c) Sanctioned in Government Resolution No. A. I.—6371, dated 27th June 1917, for a period of 6 years, ending 14th February 1924. The rate of Rs. 2 per acre for lands let out for cultivation in the basin of Lake Beale, sanctioned in G. R. No. A.F—7200, dated 9th August 1912 up to the 1st June 1917 was assessed also during 1918-19. (A) From 15th June to 14th February for ordinary crops and (B) from 15th February to 14th June for ordinary crops and for Sugarcane and Pan gardens throughout the whole year as sanctioned in Government Resolutions No. A.I.—1526, dated 26th July 1911 and No. A.I.—4514, dated 15th May 1912.
4	Nira Canal (c) ... ... Shetphal Tank (c) ...	†† (16) (20)	A 45 B 30 † 22½	12	3	5	7	...	(d) 1 *2				(d) Sanctioned in Government Resolution No. A.I.—2213, dated 15th October 1910. ††Rs. 16 till 14th February 1919 and after that date Rs. 20 for five years ending 14th February 1924, *vide* Government Resolution No. A.I.—879, dated 28th January 1918.
5	Mhasvad Tank § (c)	...	14	8	3	5	6	...	1				A For Sugarcane. B For Pan-gardens. * For Sugarcane and Pan gardens.
	Productive Works.												† For Perennial crops other than Sugarcane and Pan gardens.
9	Hathmati Canal (m) ...	...	10	3	1	2	6	...	2				(c) Sanctioned for a period of six years with effect from 15th February 1918, *vide* Government Orders No. A.I.—1576, dated 12th February 1918.
	Khari Cut Canal (m) ...	...	14	7	1	5	6	...	2				(m) Rates sanctioned until further orders, *vide* Government Resolution No.. 156 A.I.—1112, dated 12th July 1894.
10	Lower Panjhra River Works (f)	...	...	6	2	4	6	...	1				(f) In force for 5 years ending 31st March 1921, *vide* Government Resolution No. A.I.—7053, dated 7th July 1916.
11	Kádva River Works: Pálkhed Canal ... ; Oják-Tambat Canal. ; Wadáli Canal ...	...	(y) * 26 † 13	7	2	5	6	...	2	Nil.	Nil.	Nil.	(y) Rates sanctioned in Government Resolution No. A. I.—4194 of 7th April 1914, for areas outside leased areas to be in force for 5 years ending the 15th June 1919. These rates also apply to the leased areas from the 15th February 1918, the date of expiry of the period of the leases in question.
12	Pravara River Works—Lakh Canal (h)	...	8	4	½	2	4	...	...				(h) Sanctioned in Government Resolution No. A.I.—12087, dated 11th December 1918, for one year ending 31st March 1919 or until the improved supply of water from Lake Arthur Hill is available.
13	Mutha Canals and Matoba Tank (c): Sugarcane under the Mutha Canal within the Poona City and Suburban Municipality and Cantonment limits or within one mile of those limits.		50										‡ This rate is levied *in proportion to the time for which water is supplied*, according to the scale laid down in Note (c) to the schedule attached to Government Resolution No. A.I.—2213, dated 15th October 1910, *vide* Government Resolution No. A.I.—6007, dated 27th May 1919.
	Sugarcane on all remaining land commanded by both the canals.	...	45	12	3	5	7	...	1 *2				(x) The perennial rate of Rs. 15 in force till 15th February 1919 and all other rates to be in force for a period of six years ending 15th February 1925, *vide* Government Orders No. A.I.—6109, dated 19th June 1917 and No. A.I.—9708, dated 4th October 1918.
	Sugarcane under the Matoba Tank.		45‡										(u) Sanctioned for a term of 10 years or up to 15th June 1920, *vide* Government Resolution No.. A. I.—2395, dated 14th November 1910.
	Pán gardens		30										(o) Rates sanctioned in Government Resolution No. A.I.—1939, dated 6th September 1910, are continued up to 15th June 1920, *vide* Government Order No. A.I.—9000, dated 14th September 1917.
	Perennial crops other than Sugarcane and Pan gardens.		22½										(p) Rates sanctioned in Government Resolution No. A.I.—1128, dated 13th May 1910 are to continue up to 31st July 1920 *vide* Government Resolution No. A. I.—10155, dated 14th September 1915.
14	Ekrúk Tank (x) § ...	...	15 17½	8	3	5	7	...	1				(q) Rates sanctioned in Government Resolution No. A.I.—1335, dated 14th June 1910 are to continue up to 15th June 1920, *vide* Government Resolution No. A. I.—287, dated 10th January 1916.
15	Krishna Canal (n) ...	...	15½ 30*	8	3	5	7	...	1 *2				
	Minor Works and Navigation.												
16	Wangroli Tank (o) ...	...	...	6½	2½	4	6	For rice 4	1½				
17	Tranza-Nagramma Tanks(p)	...	...	6	2	4	6	For rice 4	1				
18	Savali Tank (q)	...	...	8	4	4	6	...	1				

Note—(1) For lift irrigation half the ordinary rates are charged.
(2) Double the ordinary rates are charged as penal rates for taking water without permission.
(3) Leakage or percolation rates are the same as ordinary rates.
(4) Water rate for non-irrigational purposes should not be less than Re. 1 per 10,000 cubic feet, *vide* Government Resolutions No. A.I.—879, dated 28th January 1918 and No. A.I.-7004, dated 21st July 1916.
(5) Rs. 2 per acre to be charged for single watering given to those who are not regular irrigators or holders of rabi-leases *vide* Government Resolution No. A.I.—1759, dated 5 July 1916 and Government Order No. A.I.—2525, dated 3rd March 1916.

§ For Sugarcane and Pan gardens double the ordinary rates are charged.

STATEMENT I-F—*concluded.*

No.	Names of Works.	Water-rates.							Single water ing.	Occupier's rate.	Owner's rate.	Water advantages	Remarks.
		Irrigation in blocks.	Perennial.	Early eight months.	Monsoon four months	Rabi four months.	Hot weather	Miscellaneous.					
1	2	3	4	5	6	7	8	9	10	11	12	13	14
	Minor Works and Navigation—*concluded.*		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.				
19	Sahiat Tank (*r*) ...	...	...	$6\frac{1}{2}$	$2\frac{1}{2}$	4	6	For rice 4	$1\frac{1}{2}$				(*r*) Rates Sanctioned in Government Resolution No. A.I.—309, fated 15th February 1911, are to be in force up to 31st March 1923, *vide* Government Order No. A.I.—6451, dated 25th June 1918.
20	Futelao Tank (*s*)†† ...	...	...	...	Rice up to end of October 4. Other Kharif 2	(G) 3 (H) 2	Provisional 8	...	(K) 1				(*s*) Rates sanctioned for a period of 4 years ending 31st March 1921 *vide Government Order* No A.I.—9945, dated 12th October 1917. (G) For ordinary Rabi. (H) For restorative crops grown after rabi. (K) In either Kharif or rabi season. †† The tank is to be managed specially for Kharif and rabi irrigation; but if water is supplied for sugarcane and perennial crops in the kharif and Rabi seasons double the ordinary rates, *viz.*, Rs. 4 and 6 per acre respectively will be charged.
21	Hartála Tank (*i*)‡ ...	...	8	4	2	2	4	...	1 / †2				(*i*) Sanctioned for a period of 3 years ending 31st March 1919, *vide* Government Resolution No. A.I.—3180, dated 19th May 1916. ‡ Sugarcane and pan gardens to be charged double the seasonal rate except that the perennial rates for these crops should be Rs. 12 on Hartala and Mhaswa tanks and Rs. 16 for Jamda canals.
22	Mhasva Tank (*i*)‡ ...	...	8	4	2	2	4	...	1 / †2				
23	Jámda Canals (*i*)‡ ...	...	10	5	2	3	5	...	1 / †2				
24	Parsul Tank (*j*) ...	...	...	7	2	5	8	...	1				(*j*) Rates sanctioned in Government Resolution No. A.I.—1754, dated 10th August 1910, up to 14th June 1921. Water is not to be reserved for perennial Irrigation.
25	Pravara River Works—Pravara Left Bank Canal. (*k*) ...	...	...	5	2	3	4	...	1				(*k*) Sanctioned in Government Resolutions No. A.I.—1460, dated 9th June 1909, and No. A.I.—2051, dated 24th August 1909. In force until an improved supply is provided by the storage work of the Pravara River project, *vide* Government Resolution No. A.I.—10637, dated 2nd November 1917.
26	Bhátodi Tank (*l*) ...	...	(i) $14\frac{1}{2}$	$6\frac{1}{2}$	$2\frac{1}{2}$	4	8	...	1				(*l*) In force till 15th October 1920, *vide* Government Resolution No. A.I.—13135, dated 28th November 1914. Half the usual rates are charged for irrigation from water flowing down the waste-weir of this tank, *vide* Government Order No. A.I.—10892, dated 2nd November 1917.
27	Kásurdi do. § (*d*) ...	...	...	$6\frac{1}{2}$	$2\frac{1}{2}$	4	6	...	1 / †2				
28	Shirsuphal do. § (*d*) ...	...	...	$6\frac{1}{2}$	$2\frac{1}{2}$	4	6	...	1 / †2				
29	Bhádalvádi do. §(*d*) ...	...	...	$6\frac{1}{2}$	$2\frac{1}{2}$	4	6	...	1 / †2				
30	Koregaon do. §(*e*) ...	...	13 / 16	7	3	4	6	...	1				(i) For the whole year. (*d*) Rates sanctioned for 10 years from 16th February 1911 to 15th February 1921, *vide* Government Resolution No. A. I.—2213, dated 15th October 1910. † For Sugarcane and Pan gardens (*e*) The rate of Rs. 13 to be in force till 15th February 1919 only. All other rates to be in force up to 15th February 1925, *vide* Government Orders No. A.I.—6109, dated 19th June 1917 and No. A.I.—9708, dated 4th October 1918.
31	Ashti do. §(*e*) ...	...	13 / 16	7	3	4	6	...	1	Nil.	Nil.	Nil.	
32	Páthri do. §(*e*) ...	...	13 / 16	7	3	4	6	...	1				(*s*) Sanctioned for a term of 10 years or up to 15th June 1920, *vide* Government Resolution No. A.I.—2396 of 14th November 1910. * For Perennial crops other than Sugarcane and Pan gardens.
33	Revári Canal (*s*) ...	...	* 12 / † 24	6	2	4	6	...	1 / †2				(*t*) In force from 1st October 1913 to 30th September 1919 as per Government Resolutions No.A.I.—3683, dated 27th March 1914, and No. A.I.—12450, dated 23rd September 1919. Water is allowed free of charge for non-perennial crops for the same period.
34	Upper Man River Works (*s*) ...	...	* 12 / † 24	6	2	4	6	...	1 / †2				(*u*) Sanctioned for a period of 5 years from 1st April 1915 to 31st March 1920, *vide* Government Resolution No. A.I.—6088 of 26th May 1915. (i) For the whole year. (ii) For sugarcane irrigated between 15th June and 14th February.
35	Yerla River Irrigation Works (*s*) ...	...	* 12 / † 24	6	2	4	6	...	1 / †2				
36	Chikhli Canal (*s*) ...	...	* 12 / † 24	6	2	4	6	...	1 / †2				
37	Maini Tank (*s*) ...	...	* 12 / † 24	6	2	4	6	...	1 / †2				
38	Muchkundi Tank (*t*) ...	...	8	4	...	...	...	...	...				
39	Gadikeri do ...	...	...	...	...	...	...	...	...				
40	Gokak Canal, 1st Section, and Storage Works (*u*) ...	...	(i) 22 / (ii) 16	8	3	5	15	...	1				(*v*) Sanctioned for a period of 5 years from 1st April 1915 to 31st March 1920, *vide* Government Resolution No. A.I.—5425 of 8th May 1915.
41	Dambal Tank (*v*) ...	...	¶ 14	*a* 5 / *b* 7	*e* $3\frac{1}{2}$	*c* $3\frac{1}{2}$ / *d* 4	*f* 6	...	*e* 1 / *g* 2				¶ For Sugarcane, Betal-leaf, Cocoanut trees, &c., &c.
42	Medleri do. (*v*) ...	...	¶ 14	*a* 5 / *b* 7	*e* $3\frac{1}{2}$	*c* $3\frac{1}{2}$ / *d* 4	*f* 6	...	*e* 1 / *g* 2				*a* From 15th June to 15th February.
43	Madag do. (*v*) ...	...	¶ 10	*a* 5 / *b* 7	*e* $3\frac{1}{2}$	*c* $3\frac{1}{2}$ / *d* 4	*f* 6	...	*e* 1 / *g* 2				*b* „ 15th October to 15th June or 1st August to 31st March.
44	Asundi do. (*v*) ...	...	¶ 14	*a* 5 / *b* 7	*e* $3\frac{1}{2}$	*c* $3\frac{1}{2}$ / *d* 4	*f* 6	...	*e* 1 / *g* 2				*c* „ 15th June to 15th October or 15th July to 30th November.
45	Mávinkop do. ...	...	...	...	...	...	...	...	...				*d* „ 15th October to 15th February.
46	Dharma Canal (*w*) ...	...	14	*a* 5 / *b* 7	*e* $3\frac{1}{2}$	*c* 3 / *d* $3\frac{1}{2}$	*f* 6	...	*e* 1 / *g* 2				*e* „ 15th June to 15th October. *g* „ 16th October to 14th June. *f* „ 15th February to 15th June. *w* Rates sanctioned up to 31st March 1922, *vide* Government Order No. A.I.—8434, dated 27th August 1918.

Note—(1) For lift irrigation half the ordinary rates are charged.
(2) Double the ordinary rates are charged as penal rates for taking water without permission.
(3) Leakage or percolation rates are the same as ordinary rates.
(4) Water rate for non-irrigational purposes should not be less than Re. 1 per 10,000 cubic feet, *vide* Government Resolutions No. A.I.—879 dated 28th January 1913, and No. A.I.—7604, dated 21st July 1916.
(5) Rs. 2 per acre to be charged for single watering given to those who are not regular irrigators or holders of rabi leases, *vide* Government Resolution No. A.I.—1759, dated 5th July 1906, and Government Order No. A.I.—2525, dated 3rd March 1916.

§ For Sugarcane and Pán gardens double the ordinary rates are charged.

STATEMENT G.

STATEMENT

Statement showing Areas and Water-rate Assessments in the Bombay Presidency, fixing the Scale.

No.	Names of Works.	Irrigation in Blocks.		Perennial.		8 Months.		Monsoon—4 Months.		Rabi—4 Months.	
		Areas.	Assessment.	Areas.	Assessment.	Areas.	Assessment.	Areas.	Assessment.	Areas.	Assessment.
	Major Works.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	Acres.	Rs.
	Protective Works.										
1	Pravara River Works—Pravara Right Bank Canal	...	...	1,158	6,135	433	975	1,789	3,587	3,304	5,953
2	Chankapur Tank—Girna Left Bank Canal	...	...	75	1,717	158	1,022	1,015	3,175	3,014	14,009
3	Lake Beale	...	...	...	...	...	...	...	...	...	...
	Godavari Right Bank Canal	...	...	4,086	1,80,364	337	3,559	3,408	11,443	19,195	96,230
	Left Bank Canal	...	...	3,149	1,34,545	171	1,520	1,184	4,094	12,660	64,087
4	Nira Canal including Shetphal Tank.	14,030	2,24,480	7,38.	2,32,083	4,897	58,764	7,757	23,271	17,305	86,525
5	Mhasvad Tank	...	...	322	7,404	746	5,462	4,135	12,425	3,967	21,154
	Total ...	14,030	2,24,480	16,777	5,62,248	6,742	71,302	19,298	57,995	59,445	2,88,548
	Average rate ...	...	16·00	...	33·51	...	10·58	...	3·00	...	4·85
	Productive Works.										
9	Hathmati and Khari Cut Canals combined	...	...	138 / 116	1,143	...	...	1,437	3,225	234	443
10	Lower Pánjhra River Works	...	...	54	655	107	631	93	102	359	2,788
11	Kádva River Works. Wághad Tank	...	...	...	...	...	...	...	...	...	...
	Pálkhed Canal	...	...	...	7,719	896	6,346	348	810	712	5,068
	Ojhár Támbat Canal	...	...	357	5,497	258	1,768	171	396	224	1,214
	Wadáli Canal	...	...	242	3,696	216	1,545	246	569	528	2,962
12	Pravara River Works—Lákh Canal... ...	...	...	164	236	99	320	395	219	404	789
	Within the Poona City, Suburban Municipal and Cantonment limits or within one mile of those limits	...	...	56							
13	Mutha Canals, including Matoba Tank. On all the remaining land commanded by both Canals ...	...	...	1,352	48,383						
	'Pán'gardens wherever situated throughout the Canals... ...	...	...	5,220	1,78,959						
	All lands commanded by both Canals	...	...	6	130	1,633	19,596	3,602	10,806	3,353	16,765
		...	...	6,578	2,27,477						
	Mátoba Tank	...	...	650	7,044						
14	Ekrúk Tank	...	...	475	11,539	1,551	10,903	119	403	2,474	13,084
15	Krishna Canal	...	...	2,055	54,623	2,556	13,677	2,597	13,231	649	1,693
	Total ...	...	...	16,801	3,19,542	7,316	54,786	9,008	29,791	8,937	44,826
	Average rate ...	...	...	...	29·34	...	7·49	...	3·31	...	5·02
	Minor Works and Navigation.										
16	Wangroli Tank...	...	...	...	...	...	...	711	2,015	...	...
17	Tranza-Nagramma Tanks	...	...	...	...	...	...	...	...	...	...
18	Savli Tank	...	...	...	...	...	...	152	608	...	...
19	Sahiat do.	...	...	...	...	...	...	...	...	...	...
20	Futelao do.	...	...	...	...	...	...	18	35	...	...
21	Hartala do.	...	...	37	368	14	60	140	196	162	350
22	Mhasva do.	...	...	10	70	6	29	280	587	371	866
23	Jámda Canals	...	...	183	2,900	351	2,436	4,064	8,205	1,264	4,569
24	Parsul Tank	...	...	22	140	12	76	238	553	245	495
25	Pravara River Works—Pravara Left Bank Canal	...	...	2 9	695	245	403	1,615	3,220	116	119
26	Bhátodi Tank...	...	...	...	...	195	1,350	224	566	896	4,313
27	Kásurdi do.	...	...	6	57	...	...	...	...	...	...
28	Shirsuphal do.	...	...	47	906	112	728	457	1,142	1,023	4,092
29	Bhádalvádi do.	...	...	139	1,939	284	1,846	324	810	624	2,496
30	Koregaon do.	...	...	...	...	75	175	88	539	87	126
31	Ashti do.	...	...	212	3,197	436	2,794	852	3,253	4,097	21,716
32	Páthri do.	...	...	11	123	243	1,156	107	308	1,075	4,777
33	Revári do.	...	...	27	648	119	796	230	920	85	170
34	Upper Mán River Works	...	...	51	695	100	317	831	4,311	126	224
35	Yerla River Irrigation Works	...	...	343	7,179	946	3,358	2,815	11,027	355	854
36	Chikhli Canal	...	...	35	491	77	243	33	231	24	45
37	Maini Tank	...	...	65	643	210	963	1,541	6,318	442	952
38	Muchkundi do.	...	...	...	...	...	...	...	...	...	...
39	Gadikeri do.	...	...	...	...	...	...	...	...	...	...
40	Gokák Canal, 1st Section and Storage Works	...	...	388	7,999	992	7,892	2,827	8,479	3,866	19,699
41	Dámbal Tank	...	...	18	224	15	102	130	504	54	158
42	Medleri do.	...	...	42	634	4	17	3	14	6	17
43	Madag do.	...	...	13	63	207	327	500	1,481	153	629
44	Asundi do.	...	...	43	242	19	103	32	134	19	78
45	Mávinkop do.	...	...	...	...	...	...	...	...	...	...
46	Dharma Canal	...	...	...	...	...	...	16	83	...	...
	Total ...	...	...	1,951	29,261	4,662	25,265	18,228	55,629	15,095	66,745
	Average rate ...	...	...	...	15·00	...	5·42	...	3·05	...	4·42
	Grand Total ...	14,030	2,24,480	20,619	6,11,051	18, 20	1,51,353	46,534	1,42,415	83,477	4,00,119
	Average rate ...	...	16·00	...	30·76	...	8·09	...	3·08	...	4·79

Note.—The difference between the figures of total area and assessments in this Statement and those in Statements I—E. to IV—E. is hypothetical and are arrived at on the assumption that

G.

excluding Sind, during 1918-1919, according to the system of classification adopted in of Water-rates.

Hot Weather.		Miscella-neous.		Grand Total.		Remarks.
Area.	Assess-ment.	Area.	Assess-ment.	Area.	Assess-ment.	
Acres.	Rs.	Acres.	Rs.	Acres.	Rs.	
400	1,081	...	...	7,084	17,731	
131	880	102	214	4,495	21,017	
...	...	353	909	352*	909	* This represents the area in the basin let out for cultivation.
653	4,906	...	...	28,279	2,96,382	
440	3,355	...	...	17,614	2,08,203	
430	3,010	2,336	5,672	54,642	6,33,805	
261	2,442	146	320 1,310†	9,577	50,517	† This addition is for the difference between the amounts of water rates charged according to the areas actually watered and the amount to be recovered from irrigators according to the areas sanctioned in blocks.
2,315	15,676	3,486	8,425	122,043	12,28,674	
...	6·77	...	2·45	...	10·07	
923	4,291	...	...	2,848(A)	9,102(B)	‖Charged again in different seasons.
8	50	79	99	(i)700	(ii)4,325	(A) Exclusive of Himayat.
....	...	...	...	...	...	(B) Rs. 295 in Kharif have had to be remitted as the crop was not matured for want of moisture in the land, and lift water rate had to be charged.
105	650	52	155	2,470	20,748	(i) Exclusive of 1,814 acres of *manual* Bágáyat area.
33	234	47	114	980	9,133	(ii) Exclusive of Rs. 8,349 on account of enhanced water rates on old works.
73	455	18	66	4,245	9,313	
9	79	...	...	963	1,673	
534	3,738	859	1,718	17,215 28§	2,87,144	§ An area of 28 acres is indirectly irrigated by under ground percolation from the Mutha Right Bank Canal and hence it cannot be classified in respect of different crops. The revenue realized therefrom is Rs. 52.
186	1,665	....	...	4,804	37,694	
140	779	130	780	8,127	84,774	
2,025	11,932	1,185	2,932	39,352 28§	4,63,896	
...	5·92	...	2·47	...	11·79	
7	380	...	...	784	2,395	
...	...	...	...	...	...	
129	779	...	...	291	1,387	
107	608	...	...	107	608	
...	...	...	...	18	35	
8	27	...	...	361	999	
3	12	...	...	670	1,564	
81	433	...	...	5,913	18,543	
33	315	5	11	555	1,590	
...	...	...	...	2,235	4,527	
12	218	13	45	1,340	6,502	
...	...	1	3	7	61	
...	...	16	32	1,655	6,900	
...	...	19	38	1,390	7,179	
...	...	...	...	250	840	
41	375	....	...	5,638	31,439	
...	...	...	...	1,236	6,364	
...	...	...	...	461	2,534	
...	...	1	36	1,109	5,573	
33	202	4	16	4,596	22,636	
...	...	5	20	174	1,030	
...	...	18	179	2,276	9,055	
...	...	...	...	...	...	
...	...	...	...	...	...	
113	1,480	909	1,113	9,095	46,686	
13	78	...	...	230	1,066	
...	...	...	...	55	682	
...	...	13	52	898	2,552	
25	152	1	2	139	711	
....	...	...	...	...	...	
...	...	...	...	16	83	
671	5,059	1,010	1,571	41,617	4,83,550	
...	7·54	...	1·55	...	4·61	
5,001	32,067	5,631	12,928	208,012 28¶	18,76,010	
....	6·53	...	2·29	...	9·24	

due to difference in treatment of fractions in some cases, and in others to the fact that the figures in this Statement are more or less certain areas are assessed at certain rates.

STATEMENT

Statement showing operations of the year 1918-1919

	Names of Works.	Amount of Estimate, Direct and Indirect.	Capital Outlay, Direct and Indirect.		Length of		Area under Command.	
			During 1918-1919.	To end of 1918-1919.	Canal.	Distributaries.	Gross.	Irrigable at present.
1	2	3	4	5	6	7	8	9
	Major Works.	Rs.	Rs.	Rs.	Miles.	Miles.	Acres.	Acres.
	Protective Works.							
1	Pravara River Works—Pravara Right Bank Canal	1,16,70,592	7,97,881	83,79,130	33	13	73,763	24,656
2	Chankápur Tank—Girna Left Bank Canal	19,53,072	20,126	19,37,205	13·11	9·93	18,982	5,100
3	Lake Beale (Darna Dam) ... ... Godávari Right Bank Canal ... Godávari Left Bank Canal ...	1,00,36,800	43,873	1,00,94,775	70·50 48	48 9·46	144,310 88,080	49,331 30,109
4	Niva Canal, including Shetphal Tank	*89,49,307 * 8,06,034	10,244	65,37,853	100·25 6·54	139	274,447	117,480
5	Mhasvad Tank	*27,84,496	...	20,96,016	66·25	43·36	129,045	24,800
	Total ...	3,62,00,301	8,72,124	2,90,44,959	337·65	262·75	728,627	251,476
	Productive Works.							
9	Háthmati and Khári Cut Canals combined	7,62,392 6,10,329	...	13,15,973	21 39	80 ¶29·50	44,744 32,000	8,000 16,000
10	Lower Pánjhra River Works	*7,04,681	...	4,68,621	...	45	13,117	12,627
11	Kádva River Works ... Wághad Tank ... Pálkhed Canal ... Ojhar Támbat Canal Wadáli Canal ...	*7,01,730 *4,66,402 *17,785 *63,461	...	10,34,191	... 11 4·50 8·62	... 14·36	... 28,832 8,055 3,486	... 9,837 2,367 2,433
12	Pravara River Works—Lákh Canal ...	*7,60,764	...	3,71,891	23	9·37	29,913	11,280
13	Mutha Canals, including Mátoba Tank	* 1,23,73,762 2,10,500	—5,20,829	65,34,144	88	67 17	94,087 10,700	16,800 3,250
14	Ekruk Tank	*21,35,580	...	13,40,386	48	1·68	17,152	16,941
15	Krishna Canal	16,60,896	...	9,44,459	63·87	...	28,327	12,320
	Total ...	2,04,68,282	—5,20,829	1,20,09,665	306·99	213·91	310,413	111,855
	Total, Major Works ...	5,66,68,583	13,92,953	4,10,54,624	644·64	476·66	10,39,040	363,331
	Minor Works and Navigation.							
16	Wángroli Tank	2,48,544	...	2,90,930	§17·26	...	5,000	3,400
17	Tránza-Nagrámma Tanks	3,12,734	...	2,80,635	7·60	...	1,500	800
18	Sávli Tank	2,49,222	...	2,55,210	8·35	1·32	4,700	3,000
19	Sahias do.	1,86,782	...	1,84,029	9·25	§1·79	4,000	2,000
20	Futelao do.	1,10,785	...	1,16,461	3·99	...	1,500	800
21	Hartálh do.	75,040	...	73,382	...	5·50	584	415
22	Mhasva do.	1,40,015	...	1,38,956	...	7·00	4,647	1,700
23	Jámda Canals	10,88,640	...	10,41,089	39	75·00	46,288	5,000
24	Parsul Tank	2,23,612	...	2,14,995	...	4·75	3,337	1,000
25	Pravara River Works—Pravara Left Bank Canal	3,48,211	...	3,47,550	19	21	23,724	14,763
26	Bhátodi Tank	3,78,278	...	3,79,707	4·50	5·50	15,126	12,124
27	Kásurdi do.	45,950	...	45,590	...	1·75	597	150
28	Shirsuphal do.	2,22,282	...	2,24,568	...	12·50	4,500	1,800
29	Bhádalvádi do.	2,28,724	...	2,27,422	...	9·75	3,000	2,000
30	Koregaon do.	42,049	...	39,189	3·75	...	2,394	1,050
31	Ashti do.	8,34,927	...	8,36,091	27·50	3·15	17,882	11,780
32	Páthri do.	6,72,856	...	6,42,846	4·66	3·33	5,000	2,500
33	Revári Canal	59,448	...	59,811	10·25	...	3,813	1,920
34	Upper Man River Works	4,44,531	...	4,39,286	17·50	6·50	8,413	2,080
35	Yerla River Irrigation Works... ...	7,45,314	...	7,64,870	33·33	4·00	11,234	5,480
36	Chikhli Canal	57,415	...	57,442	6·50	...	1,871	1,478
37	Maini Tank	3,90,492	...	4,87,650	9·25	7·58	4,876	4,625
38	Muchkundi do.	1,68,420	...	1,58,707	5·50	2·25	5,570	750
39	Gadikeri do.	17,531	...	16,918	...	Irrigation channel.	687	417
40	Gokák Canal, 1st Section, and Storage works	15,40,882	...	13,81,922	16·13	35·43	18,668	17,627
41	Dambal Tank	64,906	...	63,980	...	3·27	3,000	1,000
42	Medleri do.	81,705	...	81,392	...	5·64	1,916	600
43	Madag do.	2,49,407	...	1,67,598	9·00	...	2,851	1,845
44	Asundi do.	80,485	...	74,995	...	4·86	1,800	1,011
45	Mavinkop do.	34,384	...	33,504	...	2·79	872	617
46	Dharma Canal	98,334	3,023	95,993	27·15	3·71	13,562	12 870
	Total, Minor Works ...	94,41,905	3,023	92,22,718	279·47	228·37	222,912	116,102
	Grand Total ...	6,61,10,488	13,95,976	5,02,77,342	924·11	705·03	1,261,952	479,433

H.

in the Bombay Presidency, excluding Sind.

Rainfall.	Discharge of Canal at head, cubic feet per second.	Area		Amount of gross Assessment.	Realizations.	Working Expenses	Net Revenue.	Remarks.
		Applied for.	Irrigated.					
10	11	12	13	14	15	16	17	18
Inches.		Acres.	Acres.	Rs.	Rs.	Rs.	Rs.	
12·91	45	10,116	7,084	18,434	15,243	30,865	—15,622	
6·66	34·84	4,675	4,495	21,147	20,422	23,676	—3,254	
13·33	.....	352	352	5,16,679	2,12,021	1,98,979	13,042	
8·15	252	31,239	28,279					
8·15	157	19,436	17,614					
11·20	340·64	Information not available	54,642	6,41,121	2,16,188	1,24,378	91,810	*Includes interest charges during construction.
9·44	30·86							
10·70	54·10	...	9,577	57,194	30,751	21,384	9,367	
...	.....	65,848	122,043	12,54,575	4,94,625	3,99,282	95,343	
7·13	55	1,389	1,453	9,294	41,158	30,741	10,417	¶Vide remarks on Statement I-A.
9·36	29	1,051	1,395					
8·40	9·75	705	700	17,916	18,505	4,831	13,674	†Area under consolidated assessment.
			†1,814					
...	.....	...	...					
11·82	25·42	2,583	2,470	42,975	44,820	30,135	14,685	
8·76	1·27	1,072	980					
7·41	8·23	1,340	1,245					
14·29	15	1,125	963	2,393	2,166	3,123	—957	*Includes an area of 28 acres indirectly irrigated by underground percolation.
14·58	175·51	Information not available	*17,243	5,24,805	3,55,980	2,12,238	1,43,742	
5·13	4·84							
9·73	39·45	5,874	4,804	1,23,388	1,15,064	21,994	93,070	
11·51	77·20	19,159	8,127	85,365	31,028	15,437	15,591	
...	.....	25,298	39,380	8,06,136	6,08,721	3,18,499	2,90,222	
			†1,814					
...	.....	91,146	161,423	20,60,711	11,03,346	7,17,781	3,85,565	
			†1,814					
8·31	137·81	946	784	5,373	3,800	8,997	—5,197	§Vide remarks on Statement II-A.
4·17	.....	...	...	54	54	2,703	—2,649	
6·73	84·27	255	281	723	211	3,519	—3,308	
8·34	60·64	120	107	1,391	811	4,854	—4,043	
12·34	0·49	78	18	142	258	3,907	—3,649	
12·62	1·24	374	361	2,439	1,852	4,247	—2,395	
13·14	3·45	769	670	2,862	2,069	1,982	87	
9·11	50·28	7,746	5,943	19,809	6,328	12,348	—6,020	
3·95	1·53	625	555	1,621	4,874	3,131	1,743	
12·91	94	2,413	2,235	5,068	7,451	16,266	—8,815	
14·93	1·08	1,40	1,340	11,906	7,944	3,854	4,090	
3·14	.....	Information not available.	7	60	263	720	—457	
9·56	7·27		1,655	7,354	4,917	3,236	1,681	
14·43	3·55		1,390	7,429	3,907	2,791	1,116	
8·09	1·69	300	250	1,813	3,545	5,088	—1,543	
12·68	11·76	5,700	5,638	38,859	21,699	6,134	15,565	
8·90	3·46	1,500	1,436	6,935	6,871	1,789	5,082	
14·16	2·81	761	461	2,710	3,897	1,861	2,036	
10·43	6·16	1,562	1,109	5,774	1,776	3,409	—1,633	
10·24	21·78	6,804	4,496	22,963	10,215	9,344	871	
15·44	2·74	392	174	1,068	838	788	50	
11·88	5·48	3,196	2,276	9,225	7,627	5,226	2,401	
16·16	.....	...	...	3,009	3,009	1,868	1,141	
No rain gauge.	.....	...	†377	2,061	2,061	413	1,648	
13·48	35·93	6,877	9,095	66,537	52,785	11,779	41,006	
15·05	3·93	288	230	2,652	2,539	2,273	266	
			†144					
11·36	4·53	64	55	1,275	737	602	135	
22·00	8·39	897	896	2,924	2,014	1,211	803	
14·23	5·15	167	139	2,335	2,393	612	1,781	
			†190					
No rain gauge.	1·23	...	†577	2,279	2,279	528	1,751	
49·62	10·11	39	16	—4,580	34	2,014	—1,980	
			†7,861					
...	.....	43,303	41,617	2,34,070	1,69,058	1,27,494	41,564	
			†9,149					
...	.....	134,449	2,03,040	22,94,781	12,72,404	8,45,275	4,27,129	
			†10,963					

STATISTICAL STATEMENTS

FOR

IRRIGATION WORKS, SIND,

FOR THE YEAR 1918-19.

STATEMENT

Statement of Canals in the Indus

	Major Works.			
	Begari Canals District.			
	Desert Canal.	Unharwah.	Begári Canal.	Total.
1	2	3	4	5
Source of supply of water	River Indus.	River Indus.	Wadhu Dhand *ex-* River Indus.	...
Minimum discharge of water. ... C. ft. per sec.	...	...	...	...
Maximum discharge of Canal ,, ,,	3,399	2,069	6,614	...
Average annual rainfall ... ...Inches.	1·36	1·05	2·03	...
Gross area commanded ... ...Acres.	388,985	246,970	751,680	1,387,635
Culturable area commanded ... ... ,,	388,985	214,056	680,521	1,283,562
Area irrigable by complete project ... ,,	129,660	112,025	340,260	581,945
Area irrigable at present ... ... ,,	129,660	112,025	340,260	581,945
Sanctioned Estimate.				
Direct charges ... ... Rs.	26,55,351	7,68,050	24,69,981	58,93,382
Indirect charges ... ... ,,	80,019	20,780	64,601	1,65,400
Interest during construction... ... ,,	27,62,085	7,31,846	31,01,313	65,95,244
Total Estimate ... Rs.	54,97,455	15,20,676	56,35,895	1,26,54,026
Expenditure to end of 1918-1919.				
Direct charges ... ... Rs.	26,54,805	7,68,050	24,03,220	58,26,075
Indirect charges ... ... ,,	80,006	20,780	79,306	1,80,092
Interest during construction... ... ,,	27,62,085	7,31,846	31,01,313	65,95,244
Total Expenditure ... Rs.	54,96,896	15,20,676	55,83,839	1,26,01,411
Works as now sanctioned.				
Main Canals Irrigation ... ... Miles.	96	34	78	208
Branch Canals ... ... ,,	171	82	114	367
Distributaries ... ... ,,	69	5	52	126
Of the above—				
Navigable Canals ... ... Miles.	4	...	58	62
Works completed at end of 1918-1919.				
Main Canals Irrigation ... ... Miles.	96	34	78	208
Branch Canals ... ... ,,	171	82	114	367
Distributaries ... ... ,,	69	5	52	126
Of the above—				
Navigable Canals ... ... Miles.	4	...	58	62

I-A.

Right Bank Division for 1918-1919.

	Minor Works for which Capital and Revenue Accounts are kept.			Minor Works for which only Revenue Accounts are kept.		
Shikárpur Canals District.	Ghár Canals District.		Karáchi Canals District.	Shikárpur Canals District.	Western Nára District.	Karáchi Canals District.
Máhiwáh.	Sukkur Canal.	Ghár Canal.	Sattah Canal.	Other Canals.	Other Canals.	Other Canals.
6	7	8	9	10	11	12
Gudu Dhand *ex*-River Indus.	River Indus.	River Indus.	River Indus.	River Indus.	River Indus.	River Indus.
...	...	...	...	...	...	...
1,692	2,333	8,151	672	4,819	...	...
...	1·42	0·52	0·75	...	0·97	1·07
200,251	246,713	505,649	60,976	477,924	990,586	6,158,771
145,445	162,118	395,944	23,757	381,917	715,718	1,799,083
99,000	90,000	250,000	23,757	229,640	405,311	1,295,923
99,000	90,000	250,000	14,059	229,640	397,696	233,244
14,45,248	13,76,052	5,48,405	1,74,028	...	...	...
72,108	61,761	30,854	6,051	...	...	...
7,85,043	...	...	...	...	...	...
23,02,399	14,37,813	5,79,259	1,80,079	...	...	...
13,80,892	13,76,052	5,48,405	1,74,028	...	...	...
58,792	61,761	30,854	6,051	...	...	...
7,85,043	...	...	...	...	...	...
22,24,727	14,37,813	5,79,259	1,80,079	...	...	...
29	(*a*)72	39	30	180	351	(*b*)458
177	56	119	6	96	313	462
87	...	144	...	...	16	...
...	...	103	4	...	267	164
29	(*a*)72	39	30	180	351	(*b*)458
177	56	119	6	96	313	462
87	...	144	...	...	16	...
...	...	103	4	...	267	164

(*a*) The differenc in decrease of 2 miles is due to the portion of Napat Sukkur Canal below its junction with Edewah having been abandoned. It is not known when it was abandoned but from its neglected condition it seems to have been done years ago.

(*b*) Two miles less is in Main Canal Kalri due to cuts Nos. 1 and 3.

STATEMENT

Statement of Canals in the Indus

	Major Works.								
	Jámráo Canal District.	Nasrat Canal Districts.			Eastern Nára District.				
	Jámráo Canal.	Dád Canal.*	Nasrat Canal.	Total.	Nára Supply Channel.	Eastern Nára.	Mithráo Canal.	Thár Canal.	Khipro Canal.
1	2	3	4	5	6	7	8	9	10
Source of supply of water	Eastern Nára.	Indus.	Indus.	...	Indus.	Nára Supply Channel.	Eastern Nára.	Eastern Nára.	Eastern Nára.
Minimum discharge of River ... C. ft. per second.	.....	(a) 21,784	(a) 21,784	...	(a) 21,784	...	...	...	...
Minimum discharge of Canal... „ „	3,012	4,103	2,182	...	...	...	2,800	1,400	200
Average annual rainfall ... ...Inches.	2·63	0·70	0·38	...	...	1·06	2·03	1·89	0·99
Gross area commanded ... ... Acres.	870,850	630,100	383,700	1,013,800	167,400	789,991	437,559	158,039	35,743
Culturable area commanded ... ... „	792,106	393,007	310,440	703,447	25,000	501,609	406,675	136,000	33,745
Area irrigable annually by complete project . „	300,000	156,685	104,100	260,785	23,000	90,900	143,500	50,000	8,000
Area irrigable at present ... ... „	264,035	103,485	60,235	163,720	9,000	58,400	132,000	50,000	8,000
Sanctioned Estimate.									
Direct charges ... ... Rs.	89,24,825	26,64,707	18,64,966	45,29,673	...	...	...	...	...
Indirect charges ... ... „									
Interest during construction ... ... „	61,34,409	15,78,367	10,41,184	26,19,551	...	...	...	...	...
Total Estimate ... Rs.	1,50,59,234	42,43,074	29,06,150	71,49,224	...	...	...	...	...
Expenditure to end of 1918-1919.									
Direct charges ... ... Rs.	87,11,551	25,67,728	18,06,777	43,74,505	...	...	...	...	...
Indirect charges ... ... „	2,60,068	93,782	58,189	1,51,971	...	...	...	...	...
Interest during construction ... ... „	61,34,409	15,78,367	10,41,184	26,19,551	...	...	...	...	...
Total Expenditure ... Rs.	5,51,06,028	42,39,877	29,06,150	71,46,027	...	...	...	...	...
Works as now sanctioned.									
Main Canals Irrigation ... ... Miles	117	96	97	193	12	(d) 320	97	24	38
Branch Canals ... ... „	63	193	95	288	...	...	49	48	5
Distributaries ... ... „	457	(c) 158	118	276	...	31	42	18	...
Of the above—									
Navigable Canals ... ... Miles.	.....	...	...	...	12	320	92	...	...
Works completed to end of 1918-1919.									
Main Canals Irrigation ... ... Miles.	117	87	79	166	12	(d) 320	96	24	15
Branch Canals ... ... „	63	192	136	328	...	...	49	48	...
Distributaries ... ... „	457	(c) 129	69	198	...	...	41	2	...
Of the above—									
Navigable Canals ... ... Miles.	.....	...	...	...	12	320	92	...	...

* Includes figures for Ren Distributary, *ex*- Dád.
(a) Minimum discharge of Indus at Bukkur.
(b) Do. at Kotri.
(c) Includes 38 miles of Ren Distributary *ex*-Dád.
(d) Practically a river.

I-A—*concluded.*

Left Bank Division for 1918-1919.

		Minor Works for which Capital and Revenue Accounts are kept.							Minor Works for which only Revenue Accounts are kept.		
		Hyderabad Canals District.				Fuleli Canals District.			Nasrat Canals District.	Hyderabad Canals District.	Fuleli Canals District.
Hirul Canal.	Total.	Alibahar Kacheri.	Great Marak.	Sarfraz.	Total.	Fuleli Canal.	Hasanali Canal.	Total.	Total.	Total.	Total.
11	12	13	14	15	16	17	18	19	20	21	22
Eastern Nára.	.....	Indus.	Indus.	Indus.	...	Indus.	Indus.	...	Indus.	Indus.	Indus.
.....	.....	(*a*) 21,784	(*a*) 21,784	(*a*) 21,784	...	(*b*) 24,210	(*b*) 24,210	...	(*a*) 21,784	(*a*) 21,784	(*b*) 24,210
250	.....	293	874	486	...	10,000	1,000	...	...	...	...
2·27	.....	0·91	0·99	1·84	...	2·24	2·24	...	...	1·05	2·30
55,480	1,641,212	75,500	240,000	165,000	480,500	1,703,000	144,000	1,847,000	700,000	930,000	147,800
49,916	1,152,945	51,900	238,400	139,000	429,300	1,437,500	84,000	1,521,500	295,041	827,370	95,900
15,700	331,100	18,300	58,350	40,800	117,450	450,000	21,000	471,000	111,800	215,800	35,000
20,000	277,400	18,300	58,350	40,800	117,450	400,000	18,000	418,000	69,379	215,800	30,000
.....	75,48,589	23,207	3,77,008	1,18,559	5,25,605	19,74,646	2,89,929	22,64,575	...	...	...
		710		6,121		72,881	14,876	87,757	...	...	...
.....	1,03,99,936	...	...	...	...	...	...	...	...	...	...
.....	1,79,48,525	23,917	3,77,008	1,24,680	5,25,605	20,47,527	3,04,805	23,52,332	...	...	...
.....	89,63,343	23,207	3,19,428	1,18,559	4,61,194	19,74,646	2,89,929	22,64,575	...	...	...
.....	2,41,125	710	11,962	6,121	18,793	72,881	14,876	87,757	...	...	...
.....	1,03,99,936	...	...	...	...	...	...	...	...	...	...
.....	1,76,04,404	23,917	3,31,390	1,24,680	4,79,987	20,47,527	3,04,805	23,52,332	...	...	...
19	510	26	26	79	131	100	34	134	110	137	65
22	124	32	146	34	212	876	46	922	142	442	69
13	104	...	...	...	...	29	14	43	15	...	4
.....	424	22	22	30	74	328	39	367	...	105	10
19	486	26	24	79	129	100	34	134	110	137	65
22	119	32	146	34	212	876	46	922	141	442	69
.....	43	...	...	...	...	28	14	42	15	...	4
.....	424	22	22	30	74	328	39	367	...	105	10

STATEMENT

Capital Account of Irrigation Works

Name of Work.	During Year.								
	Direct Charges.						Indirect Charges.		
	Works.	Establishment.	Tools and Plant.	Total.	*Deduct* Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.
1	2	3	4	5	6	7	8	9	10
MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
PRODUCTIVE WORKS.									
1. Desert Canal	11,257	2,327	—256	13,328	...	13,328	...	326	326
2. Unharwáh	...	...	...	...	...	...	...	...	...
3. Begári Canal	35,285	7,294	—803	41,776	...	41,776	...	1,021	1,021
4. Mahiwáh	...	...	...	...	...	...	...	...	...
5. Eastern Nára Works	1,18,351	38,767	1,054	1,58,172	...	1,58,172	...	5,427	5,427
6. Jamráo Canal	51,529	12 025	—813	62,741	...	62,741	...	1,684	1,684
7. Dád do	-5,149	-1,687	—46	—6,882	...	—6,882	...	—236	—236
8. Nasrat do.	-799	-262	—7	—1,068	...	—1,068	...	—37	—37
9. Naulákhi do.	...	...	...	...	...	...	...	...	...
10. Sukkur Barrage Works	...	...	...	...	...	...	...	...	...
Total ...	2,10,474	58,464	—871	2,68,067	...	2,68,067	...	8,185	8,185
MINOR WORKS AND NAVIGATION.									
11. Sukkur Canal	9,624	1,893	—219	11,298	...	11,298	...	265	265
12. Ghár do.	...	...	...	...	...	...	...	...	...
13. Suttah do.	...	...	...	...	...	...	...	...	...
14. Alibahar Kacheri Canal...	...	...	...	...	...	...	...	...	...
15. Márak Great do.	65,948	20,942	588	87,478	...	87,478	...	2,932	2,932
16. Sarfrazwah	...	...	...	...	...	...	...	...	...
17. Fuleli Canal	13,986	4,441	124	18,551	...	18,551	...	622	622
18. Hasanali do.	...	...	...	...	...	...	...	...	...
Total ...	89,558	27,276	493	1,17,327	...	1,17,327	...	3,819	3,819
GRAND TOTAL ...	3,00,032	85,740	—378	3,85,394	...	3,85,394	...	12,004	12,004

I-B.

in Sind for and to end of 1918-1919.

Grand Total.	To end of Year.									
	Direct Charges.						Indirect Charges.			Grand Total.
	Works.	Establishment.	Tools and Plant.	Total.	*Deduct* Receipts on Capital Account.	Total.	Capitalization.	Leave and Pension Allowances.	Total.	
11	12	13	14	15	16	17	18	19	20	21
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
13,654	21,43,713	4,85,706	25,423	26,54,842	37	26,54,805	2,284	77,722	80,006	27,34,811
...	6,31,222	1,34,479	2,349	7,68,050	...	7,68,050	1,953	18,827	20,780	7,88,830
42,797	20,38,181	3,59,582	5,476	24,03,239	19	24,03,220	17,925	61,381	79,306	24,82,526
...	11,27,521	2,43,877	9,500	13,80,898	6	13,80,892	24,649	34,143	58,792	14,39,684
1,63,,599	55,03,961	13,86,350	73,208	69,63,519	176	69,63,343	3,084	2,38,041	2,41,125	72,04,468
64,425	70,18,402	15,08,173	1,81,351 (a)4,606	87,12,532	981	87,11,551	48,924	2,11,144	2,60,068	89,71,619
—7,118	21,74,686	3,73,780	19,296	25,67,762	34	25,67,728	41,453	52,329	93,782	26,61,510
—1,105	15,46,919	2,53,148	6,868	18,06,935	158	18,06,777	22,749	35,440	58,189	18,64,966
...	4,876	236	...	5,112	...	5,112	...	33	33	5,145
...	—284	.....	...	—284	...	—284	...	...	...	—284
2,76,252	2,21,89,197	47,45,331	3,23,471 (a)4,606	2,72,62,605	1,411	2,72,61,194	1,63,021	7,29,060	8,92,081	2,81,53,275
11,563	11,49,150	2,13,361	13,701	13,76,212	160	13,76,052	20,466	41,295	61,761	14,37,813
...	4,46,950	98,471	2,984	5,48,405	...	5,48,405	12,536	18,318	30,854	5,79,259
...	1,40,133	31,819	2,076	1,74,028	...	1,74,028	1,597	4,454	6,051	1,80,079
...	19,636	3,548	23	23,207	...	23,207	...	710	710	23,917
90,410	2,56,700	60,321	2,487	3,79,508	80	3,19,428	1,554	10,408	11,962	3,31,390
...	1,03,432	15,097	30	1,18,559	...	1,18,559	3,102	3,019	6,121	1,24,680
19,173	16,15,751	3,50,001	9,398	19,75,150	504	19,74,646	14,412	58,469	72,881	20,47,527
...	2,35,342	49,286	5,301	2,89,929	...	2,89,929	7,976	6,900	14,876	3,04,805
1,21,146	39,67,094	8,21,904	36,000	48,24,998	744	48,24,254	61,643	1,43,573	2,05,216	50,29,470
3,97,398	2,61,56,291	55,67,235	3,59,471 (a)4,606	3,20,87,603	2,155	3,20,85,448	2,24,664	8,72,633	10,97,297	3,31,82,745

(a) Suspense Account.

C. W. C. CARSON,
Accountant General.

STATEMENT

Statement showing the Financial Results of Irrigation

Realizations under main heads of

Works.	Revenue (Actual Receipts).												Revenue Manage		
	Irrigation.												Establishment.		
	Direct.	Indirect.													
	Water-rates directly paid.	Share of Land Revenue.	4 per cent. on ⅘ths of proceeds from sale of occupancy rights in waste or other lands up to end of year.	Total.	Total.	Plantation.	Miscellaneous.	Total.	*Less*—Refunds of Revenue.	Gross Revenue less Refunds.	*Deduct*—Share due to old Irrigation.	Total Revenue due to Improvement.	Direction.	Total.	Civil Officers.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15.	16
MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
PRODUCTIVE WORKS.															
1. Desert Canal ...	64,956	1,94,982	2,187	1,97,169	2,62,125	61	4,172	2,66,358	...	2,66,358	...	2,66,358	...	12,110	13,257
2. Unharwáh ...	234	1,17,685	3,035	1,20,720	1,20,954	28	519	1,21,501	...	1,21,501	...	1,21,501	...	5,413	7,735
3. Begári Canal ...	18,783	3,72,270	9,444	3,81,714	4,00,497	21	4,556	4,05,074	...	4,05,074	33,613	3,71,461	...	20,833	26,497
4. Mahiwáh ...	633	84,075	3,180	87,255	87,888	30	1,440	89,358	184	89,174	1,10,497	−21,323	...	19,733	7,382
5. Eastern Nara Works.	4,020	5,09,795	4,223	5,14,018	5,18,038	2,506	15,840	5,36,384	...	5,36,384	3,444	5,32,940	...	47,448	31,105
6. Jámráo Canal ...	2,057	6,44,502	71,845	7,16,347	7,18,404	787	29,095	7,48,286	69	7,48,217	...	7,48,217	...	1,05,445	20,030
7. Dád do. ...	2,635	2,06,712	8,105	2,14,817	2,17,452	715	1,678	2,19,845	375	2,19,470	83,913	1,35,557	...	32,193	15,583
8. Nasrat do. ...	187	1,46,160	13,763	1,59,923	1,60,110	450	1,492	1,62,052	...	1,62,052	72,854	89,198	...	26,565	9,434
9. Naulákhi do. ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
10. Sukkur Barrage Works ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...	93,505	22,76,181	1,15,782	23,91,963	24,85,468	4,598	58,792	25,48,858	628	25,48,230	3,04,321	22,43,909	...	2,69,790	1,31,203
MINOR WORKS AND NAVIGATION.															
11. Sukkur Canal ...	1,318	1,68,702	848	1,69,550	1,70,868	...	4,033	1,74,901	...	1,74,901	84,806	90,095	...	...	13,596
12. Ghár do. ...	1,734	7,35,467	7,609	7,43,076	7,44,810	225	12,036	7,57,071	...	7,57,071	1,35,512	6,21,559	...	...	49,665
13. Suttah do. ...	27	29,863	905	30,768	30,795	...	2	30,797	...	30,797	16,145	14,652	...	...	1,950
14. Alibahar Kacheri Canal ...	921	20,441	840	21,281	22,202	...	347	22,549	...	22,549	17,505	5,044	...	...	1,981
15. Marak Great Canal...	2,819	1,57,548	3,406	1,60,954	1,63,773	...	2,379	1,66,152	...	1,66,152	59,437	1,06,715	...	...	12,000
16. Sarfrazwáh ...	1,170	44,182	1,294	45,476	46,646	...	2,115	48,761	...	48,761	18,806	29,955	...	...	3,482
17. Fuleli Canal ...	30,568	8,13,988	15,164	8,29,152	8,59,720	395	15,807	8,75,922	...	8,75,922	2,44,549	6,31,373	...	...	60,688
18. Hasanali Canal ...	227	43,315	695	44,010	44,237	...	453	44,690	...	44,690	5,916	38,774	...	...	2,695
Total ...	38,784	20,13,506	30,761	20,44,267	20,83,051	620	37,172	21,20,843	...	21,20,843	5,82,676	15,38,167	...	...	1,46,057
GRAND TOTAL ...	1,32,289	42,89,687	1,46,543	44,36,230	45,68,519	5,218	95,964	46,69,701	628	46,69,073	8,86,997	37,82,076	...	2,69,790	2,77,089
Works for which only Revenue Accounts are kept ...	23,849	16,45,276	50,681	16,95,957	17,19,797	1,266	33,510	17,54,573	387	17,54,186	...	17,54,186	...	...	1,00,200

I-C.

Works in Sind for the year ended 31st March 1919.

Revenue and Working Expenses.

Total Revenue Management.	Working Expenses. Maintenance and Repairs. Establishment. Direction.	Establishment. Executive.	Establishment. Total.	Works.	Repairs.	Sundries.	Plantations.	Tools and Plant.	Total Cost of Maintenance.	Indirect Charges.	Grand Total Working Expenses.	Deduct—Old Maintenance Charges. Direct.	Indirect.	Total.	Total Working Expenses on Improvements.	Total.	
17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
25,267	...	...	12,726	2,950	58,607	...	...	−1,401	72,882	3,682	1,01,931	...	...	...	1,01,931	1,64,427	1,61,427
13,148	...	...	5,687	3,191	24,321	...	...	−626	32,573	1,657	47,378	...	...	...	47,378	74,123	74,123
47,380	...	...	21,891	10,772	95,381	−1,926	...	−2,417	1,23,681	6,323	1,77,384	8,757	2	8,759	1,68,625	2,27,690	2,02,830
27,115	...	...	20,634	2,195	91,970	...	6,141	−2,284	1,18,656	5,652	1,51,423	21,007	273	21,280	1,30,143	−62,249	−1,51,466
78,553	...	...	49,111	25,843	1,37,907	−61	2,591	73	2,15,464	13,518	3,07,535	344	...	344	3,07,191	2,28,849	2,25,749
1,25,475	...	...	60,875	4,476	1,74,680	−594	6,694	1,656	2,47,787	23,285	3,96,547	...	...	...	3,96,547	3,51,670	3,51,670
47,776	...	...	32,929	4,628	88,593	1,465	8,157	904	1,36,676	9,117	1,93,569	44,071	1,138	45,209	1,48,360	25,901	−12,803
35,999	...	...	27,292	4,271	75,144	...	4,239	745	1,11,691	7,540	1,55,230	19,355	453	19,808	1,35,422	6,822	−46,224
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
4,00,913	...	...	2,31,145	58,326	7,46,603	−1,136	27,822	−3,350	10,59,410	70,774	15,30,997	93,534	1,866	95,400	14,35,597	10,17,233	8,98,312
13,596	...	...	10,856	2,471	52,390	...	324	−1,256	64,785	1,520	79,901	13,256	106	13,362	66,539	95,000	23,556
49,665	...	...	23,787	6,941	1,11,831	31	2,140	−2,753	1,41,980	3,361	1,95,006	18,680	161	18,841	1,76,165	5,62,065	4,45,394
1,950	...	...	2,270	1,800	9,742	...	...	−263	13,549	318	15,817	8,993	225	9,218	6,599	14,980	8,053
1,981	...	...	900	...	2,535	...	...	25	3,760	126	5,867	9,078	188	9,266	−3,399	16,682	8,443
12 000	...	...	9,191	813	28,131	...	...	258	38,393	1,287	51,680	22,978	427	23,405	28,275	1,14,472	78,440
3,462	...	...	4,217	...	13,278	...	...	118	17,613	591	21,686	7,651	170	7,821	13,865	27,075	16,090
60,688	...	...	75,243	13,127	2,22,886	718	933	2,112	3,15,019	10,534	3,86,241	1,14,265	2,096	1,16,361	2,69,880	4,89,681	3,61,423
2,695	...	...	3,108	...	9,787	...	...	87	12,982	435	16,112	3,380	78	3,458	12,654	28,578	26,120
1,46,057	...	...	1,29,572	25,152	4,50,880	752	3,397	−1,672	6,08,081	18,172	7,72,310	1,98,281	3,451	2,01,732	5,70,578	13,48,533	9,67,589
5,46,870	...	...	3,60,717	83,478	11,97,483	−384	31,219	−5,022	16,67,491	88,946	23,03,307	2,91,815	5,317	2,97,132	20,06,175	23,65,766	17,75,901
1,00,290	...	...	1,49,368	61,674	6,07,089	−2,036	...	−10,557	8,05,538	...	9,05,738	...	...	...	9,05,738	8,48,448	8,48,448

C. W. C. CARSON,
Accountant General.

STATEMENT

Statement showing the Financial Results of Irrigation

No.	Name of work.	Mileage in operation.		Estimated cost of construction (direct and indirect).	Date of completion of work (P. W. Code II, 1918).	Date when system first came into operation.	Total Capital Outlay (direct and indirect).	Accumulated arrears of interest.
		Main canals and branches.	Distributaries.					
		GENERAL FINANCIAL RESULTS TO END OF						
1	2	3	4	5	6	6a	7	8
	MAJOR WORKS.	Miles.	Miles.	Rs.	Date.	Date.	Rs.	Rs.
	PRODUCTIVE WORKS.							
1	Desert Canal	267·00	69·00	27,35,370	1891-92	1872-73	27,34,811	.....
2	Unharwáh	116·00	5·00	7,88,830	1890-91	1885-86	7,88,830	.....
3	Begári Canal	192·00	52·00	25,34,587	1890-91	1855-56	24,82,526	.....
4	Mahiwáh	293·00	...	15,17,356	Not completed.	1901-02	14,39,684	6,45,880
5	Eastern Nára	574·75	...	75,48,589	1897-98	1854-55	72,04,468	.....
6	Jámráo Canal	180·00	457·00	89,24,825	1901-02	1900-01	89,71,619	.....
7	Dád do.	278·78	91·46	26,64,707	1906-07	1901-02	26,61,510	6,99,173
8	Nasrat do.	214·84	69·12	18,64,966	1906-07	1903-04	18,64,966	1,75,935
9	Naulákhi do.	...	...	12,62,554	Not completed.	...	5,145	2,794
10	Sukkur Barrage Works	...	...	.....	Not started.		-284	-54
	Total ...	2,116·37	743·58	2,93,41,784	...	...	2,81,53,275	15,23,728
	MINOR WORKS AND NAVIGATION.							
11	Sukkur Canal	128·10	...	14,37,813	1885-86	1870-71	14,37,813	.....
12	Chár do.	302·88	...	5,79,259	1878-79	1856-57	5,79,259	.....
13	Suttah do.	36·00	...	1,80,079	1909-10	1904-05	1,80,079	39,041
14	Alibahar Kacheri	58·50	...	23,917	1875-76	1873-74	23,917	.....
15	Marak Great	169·90	...	3,77,008	1881-82	1873-74	3,31,390	.....
16	Surfrazwah	112·60	...	1,24,680	1875-76	1873-74	1,24,680	.....
17	Fuleli Canal	1,002·00	...	20,47,527	1892-93	1861-62	20,47,527	.....
18	Hasanali	94·00	...	3,04,805	1906-07	1903-04	3,04,805	.....
	Total ...	1,903·98	...	50,75,088	...	...	50,29,470	39,041
	GRAND TOTAL ...	4,020·35	743·58	3,49,16,872	...	...	3,31,82,745	15,62,769

II-C.

Works in Sind for, and up to the end of, 1918-19.

1918-19.		FINANCIAL RESULTS OF THE YEAR 1918-19.									
Accumulated surplus revenues.	Total sum-at-charge (column 7 + column 8).	Gross receipts (direct and indirect).	Working expenses (direct and indirect).	Net revenue.	Percentage on Capital Outlay, column 7	Percentage on sum-at-charge, column 10.	Interest at 3·4818 per cent. on direct Capital Outlay to end of previous year, *plus* half the outlay of the year.	Net profit.	Net loss	Area irrigated.	Percentage of working expenses to receipts (column 11 to column 12).
9	10	11	12	13	14	15	16	17	18	19	20
Rs.	Rs.	Rs.	Rs.	Rs.	Per cent.	Per cent.	Rs.	Rs.	Rs.	Acres.	Per cent.
26,62,607	27,34,811	2,66,358	1,01,931	1,64,427	6·01	6·01	92,203	72,224	...	125,659	38·27
22,06,689	7,88,830	1,21,501	47,378	74,123	9·40	9·40	26,742	47,381	...	51,772	38·99
82,38,818	24,82,526	3,71,461	1,68,625	2,02,836	8·17	8·17	82,948	1,19,888	...	172,291	45·39
...	20,85,564	−21,323	1,30,143	−1,51,466	...	...	48,079	...	1,99,545	32,103	...
42,67,330	72,04,468	5,32,940	3,07,191	2,25,749	3·13	3·13	2,39,697	...	13,948	206,636	57·64
9,28,941	89,71,619	7,48,217	3,96,547	3,51,670	3·92	3·92	3,02,226	49,444	...	223,958	53·00
...	33,60,683	1,35,557	1,48,360	−12,803	...	...	89,523	...	1,02,326	82,543	109·44
...	20,40,901	89,198	1,35,422	−46,224	...	...	62,927	...	1,09,151	59,388	151·82
...	7,939	...	...	...	...	...	178	...	178	...	...
...	−338	...	...	...	...	...	−10	...	−10	...	...
1,83,04,385	2,96,77,003	22,43,909	14,35,597	8,08,312	2·87	2·72	9,44,513	...	1,36,201	954,350	63·98
4,58,584	14,37,813	90,095	66,539	23,556	1·64	1·64	47,715	...	24,159	59,898	73·85
2,15,38,105	5,79,259	6,21,559	1,76,165	4,45,394	76·89	76·89	19,094	4,26,300	...	199,925	28·34
...	2,19,120	14,652	6,599	8,053	4·47	3·68	6,059	1,994	...	13,661	45·04
2,08,909	23,917	5,044	−3,399	8,443	35·30	35·30	808	7,635	...	9,970	...
19,74,388	3,31,390	1,06,715	28,275	78,440	23·67	23·67	9,599	68,841	...	64,337	26·50
3,98,041	1,24,680	29,955	13,865	16,090	12·90	12·90	4,128	11,962	...	20,730	46·29
91,86,819	20,47,527	6,31,373	2,69,880	3,61,493	17·66	17·66	68,430	2,93,063	...	353,791	42·74
1,24,174	3,04,805	38,774	12,654	26,120	8·57	8·57	10,095	16,025	...	17,066	32·64
3,38,89,020	50,68,511	15,38,167	5,70,578	9,67,589	19·24	19·09	1,65,928	8,01,661	...	739,878	37·09
5,21,93,405	3,47,45,514	37,82,076	20,06,175	17,75,901	5·35	5·11	11,10,441	6,65,460	...	1,694,228	53·04

C. W. C. CARSON,
Accountant General.

STATEMENT III-C.

Demands and Realizations during the year 1918-1919 in Sind.

	Irrigation Works.	Balance of demands unrealized at commencement of year. (a)	Demands of year.	Total.	*Deduct*—Remissions including Cash Refunds.	Net Total.	*Deduct*—Amount unrealized at close of year.	Actual Total Receipts of year.	*Deduct*—Share due to old Irrigation.	Total Revenue due to Improvements.
	1	2	3	4	5	6	7	8	9	10
	MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	PRODUCTIVE WORKS.									
1	Desert Canal	29,204	2,70,418	2,99,622	11,265	2,88,357	21,999	2,66,358	...	2,66,358
2	Unharwáh	917	1,20,993	1,21,940	...	1,21,940	439	1,21,501	...	1,21,501
3	Begári Canal	17,522	4,12,191	4,29,713	7,673	4,22,040	16,966	4,05,074	33,613	3,71,461
4	Mahiwáh	7,448	85,039	92,487	184	92,303	3,129	89,174	1,10,497	-21,323
5	Eastern Nára Works ...	5,127	5,34,566	5,39,693	14	5,39,679	3,295	5,36,384	3,444	5,32,940
6	Jámráo Canal	12,072	7,42,595	7,54,667	740	7,53,927	5,710	7,48,217	...	7,48,217
7	Dád do.	19,163	2,12,644	2,31,807	485	2,31,322	11,852	2,19,470	83,913	1,35,557
8	Nasrat do.	15,060	1,67,470	1,82,530	...	1,82,530	20,478	1,62,052	72,854	89,198
9	Naulákhi do. (b) ...	...	...	...	...	...	...	...	...	...
10	Sukkur Barrage Works (c).	...	...	...	...	...	...	...	...	...
	Total, Major Works ...	1,06,543	25,45,916	26,52,459	20,361	26,32,098	83,868	25,48,230	3,04,321	22,43,909
	MINOR WORKS AND NAVIGATION.									
11	Sukkur Canal	3,738	1,74,501	1,78,239	17	1,78,222	3,321	1,74,901	84,806	90,095
12	Ghár do.	261	7,58,756	7,59,017	...	7,59,017	1,946	7,57,071	1,35,512	6,21,559
13	Suttah do.	77	30,817	30,894	...	30,894	97	30,797	16,145	14,652
14	Alibahar Kacheri Canal...	515	22,222	22,737	...	22,737	188	22,549	17,505	5,044
15	Marak Great do. ...	1,854	1,65,792	1,67,646	35	1,67,611	1,459	1,66,152	59,437	1,06,715
16	Surfrazwáh	6,726	50,101	56,827	800	56,027	7,266	48,761	18,806	29,955
17	Fuleli Canal	8,650	8,80,460	8,89,110	1	8,89,109	13,187	8,75,922	2,44,549	6,31,373
18	Hasanali do.	183	44,657	44,840	...	44,840	150	44,690	5,916	38,774
	Total, Minor Works and Navigation ...	22,004	21,27,306	21,49,310	853	21,48 457	27,614	21,20,843	5,82,676	15,38,167
	GRAND TOTAL ...	1,28,547	46,73,222	48,01,769	21,214	47,80,555	1,11,482	46,69,073	8,86,997	37,82,076

(a) Correct balances as now reported by the Revenue Officers in Canal Returns—Nos. VIII-A and IX.

(b) Work under construction.

(c) Works not yet commenced as "49—Irrigation Works." Exchange on expenditure in England under "49—Irrigation Works" adjusted during the year 1913-14.

R. SRINIVASA AYYAR,
Accountant General.

STATEMENT IV-C.

STATEMENT

Statement showing the Financial Results of Irrigation Works in Sind

Principal Results of Operations

	Irrigation Works.	Capital Outlay (direct and indirect) to end of year.	Revenue assessed					
			Direct Revenue.				Indirect Revenue Revenue due to opera-canal	
			Occupier's rate.	Plantations.	Miscellaneous.	Total.	Share of Land Revenue.	4 per cent. on $\frac{2}{10}$ths of proceeds from sale of occupancy rights in waste or other lands up to end of year.
	1	2	3	4	5	6	7	8
	MAJOR WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
	PRODUCTIVE WORKS.							
1	Desert Canal	27,34,811	70,941	61	4,172	75,174	1,93,057	2,187
2	Unharwáh	7,88,830	143	28	519	690	1,17,268	3,035
3	Begári Canal	24,82,526	24,460	21	4,556	29,057	3,73,690	9,444
4	Mahiwáh	14,39,684	388	30	1,440	1,858	80,001	3,180
5	Eastern Nára Works ...	72,04,468	3,876	2,506	15,840	22,222	5,08,121	4,223
6	Jámrao Canal	89,71,619	1,546	787	29,095	31,428	6,39,322	71,845
7	Dád do.	26,61,510	1,911	715	1,678	4,304	2,00,235	8,105
8	Nasrat do.	18,64,966	56	450	1,492	1,998	1,51,709	13,763
9	Naulákhi do.	5,145	...	...	...	...	.....	...
10	Sukkur Barrage Works ...	—284	...	...	...	...	.....	...
	Total, Major Works ...	2,81,53,275	1,03,341	4,598	58,792	1,66,731	22,63,403	1,15,782
	MINOR WORKS AND NAVIGATION.							
11	Sukkur Canal	14,37,813	1,008	...	4,033	5,041	1,68,612	848
12	Ghár do.	5,79,259	2,721	225	12,036	14,982	7,36,165	7,609
13	Suttah do.	1,80,079	47	...	2	49	29,863	905
14	Alibahar Kacheri Canal ...	23,917	358	...	347	705	20,677	840
15	Marak Great do. ...	3,31,390	2,131	...	2,379	4,510	1,57,876	3,406
16	Surfrazwah	1,24,680	1,256	...	2,115	3,371	45,436	1,294
17	Fuleli Canal	20,47,527	30,625	395	15,807	46,827	8,18,469	15,164
18	Hasanali Canal	3,04,805	318	...	453	771	43,191	695
	Total, Minor Works and Navigation ...	50,29,470	38,464	620	37,172	76,256	20,20,289	30,761
	GRAND TOTAL ...	3,31,82,745	1,41,805	5,218	95,964	2,42,987	42,83,692	1,46,543

IV-C.

for the year ended 1918-1919, based on the Assessment of the year.

for the year ended 31st March 1919.

DURING THE YEAR.					WORKING EXPENSES.			NET REVENUE OF THE YEAR.		
—Land tion of										
Total.	Refunds of Revenue.	Grand Total.	*Deduct*— Share due to old Irrigation.	Total Revenue due to Improvements.	Total Charges, direct and indirect.	*Deduct*— Old Maintenance Charges.	Total Working Expenses on Improvements.	Total.	Due to Improvements.	Percentage on Capital Outlay to end of year (Improvements only).
9	10	11	12	13	14	15	16	17	18	19
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1,95,244	...	2,70,418	...	2,70,418	1,01,931	...	1,01,931	1,68,487	1,68,487	6·16
1,20,303	...	1,20,993	...	1,20,993	47,378	...	47,378	73,615	73,615	9·33
3,83,134	...	4,12,191	33,613	3,78,578	1,77,384	8,759	1,68,625	2,34,807	2,09,953	8·46
83,181	184	84,855	1,10,497	—25,642	1,51,423	21,280	1,30,143	—66,568	—1,55,785	(a)
5,12,344	...	5,34,566	3,444	5,31,122	3,07,535	344	3,07,191	2,27,031	2,23,931	3·11
7,11,167	69	7,42,526	...	7,42,526	3,96,547	...	3,96,547	3,45,979	3,45,979	3·86
2,08,340	375	2,12,269	83,913	1,28,356	1,93,569	45,209	1,48,360	18,700	—20,004	(a)
1,65,472	...	1,67,470	72,854	94,616	1,55,230	19,808	1,35,422	12,240	—40,806	(a)
...	...	...	...	...	...	...	...	...	...	...
...	...	...	...	...	...	...	...	...	...	...
23,79,185	628	2,545,288	3,04,821	22,40,967	15,30,997	95,400	14,35,597	10,14,291	8,05,370	2·86
1,69,460	...	1,74,501	84,806	89,695	79,901	13,362	66,539	94,600	23,156	1·61
7,43,774	...	7,58,756	1,35,512	6,23,244	1,95,006	18,841	1,76,165	5,63,750	4,47,079	77·18
30,763	...	30,817	16,145	14,672	15,817	9,218	6,599	15,000	8,073	4·48
21,517	...	22,222	17,505	4,717	5,867	9,266	—3,399	16,355	8,116	33·93
1,61,282	...	1,65,792	59,437	1,06,355	51,680	23,405	28,275	1,14,112	78,080	23·56
46,730	...	50,101	18,806	31,295	21,686	7,821	13,865	28,415	17,430	13·98
8,33,633	...	8,80,460	2,44,549	6,35,911	3,86,241	1,16,361	2,69,880	4,94,219	3,66,031	17·88
43,886	...	44,657	5,916	38,741	16,112	3,458	12,654	28,545	26,087	8·56
20,51,050	...	21,27,306	5,82,676	15,44,630	7,72,310	2,01,732	5,70,578	13,54,996	9,74,052	19·36
44,30,235	628	46,72,594	8,86,997	37,85,597	23,03,307	2,97,132	20,06,175	23,69,287	17,79,422	5·36

(a) No percentage is calculated, as the net revenue against the work is a minus figure.

R. SRINIVASA AYYAR,
Accountant General, Bombay.

General Abstract of Financial Results of Irrigation

	MAJOR WORKS—PRODUCTIVE WORKS.											MINOR WORKS AND NAVIGATION—AND REVENUE ACCOUNTS				
	In operation.								Under Construction.	Works not started.	Total.	Works				
	Desert Canal.	Unharwáh	Begári Canal.	Mahiwáh.	Eastern Nára Works.	Jámráo Canal.	Dád Canal.	Nasrat Canal.	Naulakhi Canal.	Sukkur Barrage works.		Sukkur Canal.	Ghár Canal.	Suttah Canal.	Alibahar Kacheri Canal.	Marak Great Canal.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Capital Outlay.																
During year... Direct ...	13,328	...	41,776	...	1,58,172	62,741	−6,882	−1,068	...	...	2,68,067	11,298	...	...	...	87,478
During year... Indirect...	326	...	1,021	...	5,427	1,684	−236	−37	...	...	8,185	265	...	...	...	2,932
Total ...	13,654	...	42,797	...	1,63,599	64,425	−7,118	−1,105	...	...	2,76,252	11,563	...	...	...	90,410
To end of year. Direct ...	26,54,805	7,68,050	24,03,220	13,80,892	69,63,343	87,11,551	25,67,728	18,06,777	5,112	−284	2,72,61,194	13,76,052	5,48,405	1,74,028	23,207	3,19,428
To end of year. Indirect...	80,006	20,780	79,306	58,792	2,41,125	2,60,068	93,782	58,189	33	...	8,92,081	61,761	30,854	6,051	710	11,962
Total ...	27,34,811	7,88,830	24,82,526	14,39,684	72,04,468	89,71,619	26,61,510	18,64,966	5,145	−284	2,81,53,275	14,37,813	5,79,259	1,80,079	23,917	3,31,390
Gross Revenue.																
During year... Direct ...	69,189	781	23,360	457	22,366	31,870	1,838	1,398	...	...	1,51,259	5,351	13,995	−2[illegible]	1,268	5,198
During year... Indirect...	1,97,169	1,20,720	3,48,101	−21,780	5,10,574	7,16,347	1,33,719	87,800	...	...	20,92,65[illegible]	84,744	6,07,564	14,681	3,776	1,01,5[illegible]7
Total ...	2,66,358	1,21,501	3,71,461	−21,323	5,32,940	7,48,217	1,35,557	89,198	...	...	22,43,909	90,095	6,21,559	14,652	5,044	1,06,715
To end of year. Direct ...	21,59,536	24,487	13,93,495	32,699	13,33,627	9,15,416	40,526	14,653	...	...	59,14,439	1,16,341	5,79,102	1,567	32,812	1,58,141
To end of year. Indirect...	71,49,220	42,81,288	1,56,93,959	10,36,269	2,13,53,204	1,22,47,680	24,10,662	24,69,444	...	...	6,66,41,726	55,98,022	3,05,25,56[illegible]	1,78,076	3,07,35[illegible]	31,71,617
Total ...	93,08,756	43,05,775	1,70,87,454	10,68,968	2,26,86,831	1,31,63,096	24,51,188	24,84,097	...	...	7,25,56,159	57,14,363	3,11,04,66[illegible]	1,79,643	3,40,166	33,29,758

Works in Sind for, and to end of, 1918-1919.

WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT.					MINOR WORKS AND NAVIGATION—WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.							Expenditure and Receipts from Minor Works for which Capital Accounts are kept.		
in operation.													Expenditure.	Receipts.
Sur-frazwáh.	Fuleli Canal.	Hasan-ali Canal.	Total.	Grand Total.	Shikárpur Canals District.	Western Nára District.	Karáchi Canals District.	Nasrat Canals District.	Hyder-abad Canals District.	Fuleli Canals District.	Total.	BEGA'RI CANALS DISTRICT.	Rs.	Rs.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Trenching and Strengthening Loop—Repairs,	3,034	...
												Kashmore Bund—Repairs ...	45,100	...
												Survey of jacan Branch, Begari Canal—Repairs.	78	...
												Begári Canal	5,383	...
												Establishment	10,462	...
												Tools and Plant	—1,209	...
...	18,551	...	1,17,327	3,85,394	...	...	...	...	...	...	...	Share of collection charges	3,809	...
												Direct Receipts	...	3,122
												Irrigation share of Land Revenue ...	...	42,785
...	622	...	3,819	12,004	...	...	...	...	...	...	...	Four per cent. on 9/10ths proceeds from sale of occupancy rights in lands.	...	387
												Total, Begári Canals District ...	71,647	46,104
...	19,173	...	1,21,146	3,97,398	...	...	...	...	...	...	...	SHIKA'RPUR CANALS DISTRICT.		
												Preliminary work of making survey and lining out in connection with Sehar Canal Project—Works.	785	...
												Compensation for land taken up for constructing a channel in connection with the proposed sluice mile 24-8 Sukkur Begari Bund—Works.	484	...
												Compensation for land taken up in connection with the improvement of Garkino Canal—Works.	1,012	...
1,18,559	19,74,646	2,89,929	48,24,264	3,20,85,448	...	...	...	...	...	...	...	Constructing a loop to Sukkur Begari Bund miles 28—31 Loi Loop—Repairs.	93,897	...
												Constructing a loop to Sukkur Begari Bund miles 9 to 13 Beechanji Loop—Repairs.	57,021	...
6,121	72,581	14,676	2,05,216	10,97,297	...	...	...	...	...	...	...	Constructing Bunds across Doras above Sukkur in connection with training of the River Indus—Repairs.	169	...
												Constructing front embankment for wetting the Beechang Loop—Repairs.	3	...
1,24,680	20,47,527	3,04,805	50,29,470	3,31,82,745	...	...	...	...	...	...	...	Clearance Garkinowah Canal—Repairs.	908	...
												Bunds Rohri District. Works ...	564	...
												Bunds Rohri District. Repairs ...	48	...
												Bunds in Shikarpur Canals District Repairs,	38,035	...
												Mahiwah ... Works ...	88	...
												Mahiwah ... Repairs ...	10,087	...
												Establishment	39,902	...
												Tools and Plant	—4,368	...
												Suspense	197	...
												Share of collection charges	9,290	...
												Direct Receipts	...	2,764
												Irrigation share of Land Revenue ...	...	1,15,090
												Four per cent. on 9/10ths proceeds from sale of occupancy rights in lands.	...	1,701
3,285	46,770	487	76,325	2,27,584	10,680	22,799	7,396	2,424	13,683	1,247	58,229	Total, Shikárpur Canals District ...	2,48,122	1,20,155
26,670	5,84,613	38,287	11,61,842	35,54,492	3,19,655	5,59,322	3,25,582 (a)	1,61,103	2,79,649 (c)	42,341	16,95,957	GHAR CANALS DISTRICT.		
												Constructing a forest sluice in Jhallin Saidabad Bund for the irrigation of Adamji's Forest—Works.	823	...
29,955	6,31,373	38,774	15,38,167	37,82,076	3,30,335	5,82,121	3,35,283	1,63,527	2,93,332	49,588	17,54,186	Constructing a pacca wall with a bullock shed and bath place at Ayagogash—Works,	1,020	...
												Ghar Bunds—Repairs	11,935	...
												Ghar Canal—Repairs	4,135	...
												Sukkur Canal—Repairs	4,021	...
												Establishment	4,358	...
												Tools and Plant	—331	...
1,03,005	18,40,279	9,449	28,40,696	87,55,128	...	...	...	...	...	...	...	Share of collection charges	22,134	...
												Direct Receipts	...	522
11,10,095	1,93,27,091	5,78,251	6,08,05,062	12,74,46,788	...	...	...	...	...	...	...	Irrigation share of Land Revenue ...	...	2,21,950
												Four per cent. on 9/10ths proceeds from sale of occupancy rights in lands,	...	28
												Total, Ghar Canals District ...	48,195	2,22,301
12,22,100	2,11,67,360	5,87,700	6,36,45,758	13,62,01,917	...	...	...	...	...	...	...	Carried over ...	3,67,964	3,86,560

(a) Correction of Rs. 2,072 made subsequently in Canal Return No. VIII-A by Collector Karáchi.
(c) Correction of Rs. 2 made subsequently in Canal Return No. VIII-A by the Collector Hyderabad.

General Abstract of Financial Results of Irrigation

	MAJOR WORKS—PRODUCTIVE WORKS.										MINOR WORKS AND NAVIGATION AND REVENUE ACCOUNTS				
	In operation.							Under Construction.	Works not started.	Total.	Works				
	Desert Canal.	Unharwáh.	Begári Canal.	Mahiwáh.	Easter Náran Works.	Jámráo Canal.	Dád Canal.	Nasrat Canal.	Naulakhi Canal.	Sukkur Barrage works.		Sukkur Canal.	Ghár Canal.	Sattah Canal.	Alibahar Kacheri Canal.	Marak Great Canal.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Working Expenses.																
During year { Direct ...	98,249	45,721	1,62,304	1,24,764	2,93,673	3,73,262	1,40,381	1,62,335	...	...	13,06,689	65,125	1,72,965	6,506	−3,337	27,415
During year { Indirect...	3,682	1,657	6,321	5,379	13,518	23,285	7,929	7,087	...	...	68,908	1,414	3,200	93	−62	860
Total ...	1,01,931	47,378	1,68,625	1,30,143	3,07,191	3,96,547	1,48,300	1,35,423	...	...	14,35,597	66,539	1,76,165	6,599	−3,399	28,275
To end of year. { Direct ...	37,07,322	13,43,121	56,16,619	9,18,099	77,63,451	57,72,639	15,29,390	15,75,651	...	...	2,83,16,492	26,74,329	84,61,961	1,31,248	87,629	9,60,023
To end of year. { Indirect...	86,742	24,119	1,30,704	11,706	2,56,114	3,26,901	42,604	43,197	...	...	9,22,087	75,419	2,09,639	1,469	3,644	30,058
Total ...	38,84,064	13,67,240	57,47,323	9,29,805	80,19,565	60,99,740	15,71,994	16,18,848	...	...	2,92,38,579	27,49,748	86,71,600	1,32,717	90,673	10,10,081
Net Revenue.																
During year ...	1,64,427	74,123	2,02,836	−1,51,466	2,25,749	3,51,670	−12,863	−46,224	...	...	8,08,812	23,556	4,45,394	8,053	8,413	78,440
To end of year ...	54,24,692	29,38,535	1,18,40,131	1,39,163	1,46,67,266	70,63,350	8,79,194	8,65,249	...	...	4,23,17,580	29,64,615	2,24,33,068	46,920	2,49,493	23,18,777

Works in Sind for, and to end of, 1918-1919—continued.

WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT.					MINOR WORKS AND NAVIGATION—WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.							Expenditure and Receipts from Agriculture. Works for which neither Capital nor Revenue Accounts are kept.		
In operation.													Expenditure	Receipts
Sur-fraxndh.	Fuleli Canal.	Hasan-ali Canal.	Total.	Grand Total.	Shikárpur Canals District.	Western Nára District.	Karáchi Canals District.	Nasrat Canals District.	Hyder-abad Canals District.	Fuleli Canals District.	Total.		Rs.	Rs.
												Brought over ...	9,67,964	2,44,670
												WESTERN NARA DISTRICT.		
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Raising and strengthening Western Nara Bunds from miles 69—0 to 101—4 in Dadu Sub-division—Works.	47,300	...
												Raising and strengthening Nára Bunds from miles 39—6 to 67—2 in Pritchard Sub-division—Works	40,017	...
												Raising and Strengthening the Abad Bund from mile 0 to 3—Works.	9,215	...
												Raising Head walls of sluices along Western Nara Bunds from miles 86—3 to 86—4—Works.	2,200	...
13,414	2,61,442	12,297	5,55,857	19,22,546	1,83,743	3,25,414	1,71,745 (b)	80,750	1,04,911	39,175	9,05,738	Reconstructing the Beldars shelters along Western Nara Bund—Works.	2,878	...
												Raising the Western Nara Bund in Lahdaria Sub-division miles 3 to 11.	4,076	...
421	8,438	357	14,721	83,629	...	...	...	...	...	...	...	Acquiring land for the extention of Western Nara Bunds from Phitta to Sehavan—Works.	28,426	...
												Nara Bunds ... { Works	724	...
												Nara Bunds ... { Repairs	1,00,618	...
												Manjhand Bund ... ,, ...	3,486	...
												Establishment	18,484	...
13,865	2,69,880	12,654	5,70,578	20,06,175	1,83,743	3,25,414	1,71,745	80,750	1,04,911	39,175	9,05,738	Tools and plant	—5,611	...
												Share of collections charges... ...	272	...
												Direct Receipts	...	263
												Irrigation share of Land Revenue ...	...	4,526
												Four per cent. on 9/10ths of the proceeds from sale of occupancy rights in lands.	...	20
												Total, Western Nara District ...	2,89,593	4,809
												KARÁCHI CANALS DISTRICT.		
												Preparing fresh designs and estimates for a project for Sukkur Barrage—Works.	3,130	...
												Examinations and reclassifications of unoccupied land and certain fallow occupied land commanded by Rohri Left and Right Canals Works	44,470	...
5,93,995	88,99,744	3,01,612	2,21,29,941	5,04,46,433	...	...	...	...	...	...	...	Constructing a new sluice at mile 20—4 of Baghar Uchito Bund Works.	2,371	...
												Constructing a new sluice at mile 23—4 of Baghar Uchito Bund Works.	3,289	...
												Raising and Strengthening Bund Left Bank.	3,974	...
20,007	2,70,511	9,219	6,20,866	15,42,963	...	...	...	...	...	...	...	Raising and Strengthening Bunds Right Bank in Jerruck Sub-division.	5,193	...
												Raising and Strengthening Bunds Right Bank Baghar Uchito Bund—Works.	29,406	...
												Constructing a double pipe sluice in mile 8—5 of Punah Baghar Bund—Works.	250	...
6,14,902	91,70,255	3,10,831	2,27,50,807	5,19,80,386	...	...	...	...	...	...	...	Constructing a double pipe sluice mile 19—4 of Mulchand Shahbundor Bund, Rajwah to Gungri.	4,516	...
												Do. 20—4 do. ...	...	...
												Do. do. do. ...	4,116	...
												Do. 28—1 do. ...	5,035	...
												Do. 35—3 do. ...	5,225	...
												Do. 15—2 of Baghar Uchito Bund.	3,015	...
												Baghar Uchito Bund—Works ..	203	...
												Compensation for land acquired for Barrow pits in connection with work of raising and strengthening the Panah Baghar Bund—Works.	436	...
												Raising and strengthening Baghar Uchito Bund—Works.	5,006	...
												Raising and strengthening Baghar Bund—Works.	1,193	...
16,090	3,61,493	26,120	9,07,589	17,75,901	1,46,592	2,56,707	1,63,638	82,777	1,88,421	10,413	8,48,448	Raising and strengthening Mulchand Shahbundor Bund—Works.	2,497	...
												Constructing a retired loop at Belo—Repairs.	1,31,016	...
												Constructing a loop to Bunds Right Bank Baghar Uchito Bund miles 5 to 8—7—Repairs.	4,882	...
												Bunds Right Bank—Repairs ...	35,031	...
												Bunds Left Bank—Repairs	67,958	...
6,06,098	1,19,97,105	2,76,889	4,08,04,951	8,42,12,531	...	...	...	...	...	...	...	Suttah Canal ... { Works ...	1,994	...
												Suttah Canal ... { Repairs ...	4,267	...
												Establishment	92,843	...
												Tools and Plant	—3,253	...
												Share of collection charges	2,020	...
												Direct Receipts	...	3,844
												Irrigation share of Land Revenue ...	...	30,905
												Four per cent. on 9/10ths of proceeds from sale of occupancy rights in lands.	...	521
												Total, Karáchi Canals District ...	4,55,783	35,271
												Carried over ..	11,13,340	4,28,640

(b) Correction of Rs. 124 on account of collection charges due to the correction marked (a) on page 191.

General Abstract of Financial Results of Irrigation

	MAJOR WORKS—PRODUCTIVE WORKS.										MINOR WORKS AND NAVIGATION—AND REVENUE ACCOUNTS				
	In operation.							Under construction.	Works not started.	Total.	Works				
	Desert Canal.	Unharwáh	Begári Canal.	Mahiwáh.	Eastern Nára Works.	Jámráo Canal.	Dád Canal.	Nasrat Canal.	Naulakhi Canal.	Sukkur Barrage works.		Sukkur Canal.	Ghár Canal.	Suttah Canal.	Alibahar Kacheri Canal.	Marak Great Canal.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Simple Interest.																
During year ...	92,203	26,742	82,948	48,079	2,39,697	3,02,226	89,523	62,027	178	—10	9,44,513	...	...	...	...	...
To end of year ...	27,62,085	7,31,846	31,01,313	7,85,043	1,03,99,936	61,34,409	15,78,367	10,41,184	2,794	—54	2,65,36,923	...	...	...	...	...

Works in Sind for, and to end of, 1918-1919—continued.

WORKS FOR WHICH CAPITAL ARE KEPT.					MINOR WORKS AND NAVIGATION—WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.							[illegible]		
[illegible] operation.				Grand Total.	Shikárpur Canals District.	Western Nara District.	Karáchi Canals District.	Nasrat Canals District.	Hyderabad Canals District.	Fuleli Canals District.	Total.		[illegible]	
Sur-[illegible]razwah.	Fuleli Canal.	Hasan-ali Canal.	Total.										Rs.	[illegible]
												Brought over .	11,13,34	[illegible]
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	KARACHI BUILDINGS DISTRICT.		
												Making a survey on the Indus—Works.	23,313	...
												Demarcating the boundaries between Sind and Bahavalpur State—Works.	2,132	...
												Maintenance of steamers, gauges and snagging the Indus—Repairs.	14,743	...
												Store-room at Sukkur—Repairs ...	43	...
...	...	...	...	...	...	...	...	...	...	...	...	Excavating a trench in front of Kotri gauge—Repairs.	34	...
												Gauge at Sukkur—Repairs	80	...
												Indus River Commission office Kotri—Repairs.	108	...
												Beacon at Hajmore, Khussian, Thull Khalur Kajur Pithi, Dabha, Chun and Seer—Repairs.	159	...
												Establishment	7,989	...
												Tools and Plant	—925	...
												Direct Receipts	...	261
												Total, Karáchi Buildings District ..	47,67	261
												NASRAT CANALS DISTRICT.		
												Constructing a Bund from Harburt to Gharo Alibahar.—Works.	73	...
												Canal Chawky and its subsidiary buildings at Daulatpur—Repairs.	1,257	...
												Bunds in Nasrat—Repairs	2,457	...
												Dad Canal ... Works	4,608	...
												Dad Canal ... Repairs	23,211	...
												Nasrat Canal ... Works	196	...
												Nasrat Canal ... Repairs	10,709	...
...	...	...	...	...	...	...	...	...	...	...	...	Establishment	12,569	...
												Tools and Plant	255	...
												Share of collection charges	13,115	...
												Direct Receipts	...	3,546
												Irrigation share of Land Revenue ...	...	1,52,225
												4 per cent on 9/10th proceeds from sale of occupancy Rights in lands.	..	996
												Total, Nasrat Canals District ..	68,450	1,56,767
												Carried over ...	12,29,465	5,85,668

General Abstract of Financial Results of Irrigation

	MAJOR WORKS—PRODUCTIVE WORKS.											MINOR WORKS AND NAVIGATION— AND REVENUE ACCOUNTS				
	In operation.								Under construction.	Works not started.	Total.	Works				
	Desert Canal.	Unharwáh	Begári Canal.	Mahiwáh.	Eastern Nára Works.	Jámráo Canal.	Dád Canal.	Nasrat Canal.	Naulakhi Canal.	Sukkur Barrage Works.		Sukkur Canal.	Ghár Canal.	Suttah Canal.	Alibahar Kacheri Canal.	Marsk Great Canal.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Net profit after paying Interest.																
During year ...	72,224	47,381	1,19,888	—1,99,545	—13,948	49,444	—1,02,326	—1,09,151	—178	10	—1,36,201	...	...	...	...	...
To end of year ...	26,62,607	22,06,689	82,38,818	—6,45,880	42,67,330	9,28,941	—6,99,173	—1,75,935	—2,794	54	1,67,80,657	...	...	...	...	...

Works in Sind for, and to end of, 1918-1919—concluded.

WORKS FOR WHICH CAPITAL ACCOUNTS ARE KEPT.				Grand Total.	MINOR WORKS AND NAVIGATION WORKS FOR WHICH ONLY REVENUE ACCOUNTS ARE KEPT.							Expenditure to end of 1918-1919 and Receipts up to the end of 1918-1919.		
In operation.														
Surfrazwah Canal.	Fuleli Canal.	Hasanali Canal.	Total.		Shikárpur Canals District.	Western Nara District.	Karáchi Canals District.	Nasrat Canals District.	Hyderabad Canals District.	Fuleli Canals District.	Total.		Rs.	Rs.
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Brought over ...	12,20,664	...
												HYDERABAD CANALS DISTRICT.		
												Constructing proposed new Ronwah Bund—Works.	355	...
												Ronwah Bund—Repairs	1,118	...
												Alibahar Kacheri—Repairs	5,988	...
												Marak Great—Repairs	13,037	...
												Surfrazwah—Repairs	4,557	...
												Establishment	6,068	...
												Tools and Plant	13	...
												Share of collection charges	9,575	...
												Direct Receipts	...	...
												Irrigation share of Land Revenue ...	...	95,748
...	...	...	...	...	...	...	...	...	...	...	...	Total, Hyderabad Canals District...	41,661	95,748
												FULELI CANALS DISTRICT.		
												Constructing a Bund between Dadko Mulchand Canals in a length of 2 miles—Works.	3,304	...
												River Bunds—Repairs ...	29,060	...
												Fuleli Canal—Repairs	74,242	...
												Hasanali Canal. Works	817	...
												Hasanali Canal. Repairs	1,583	...
												Establishment	25,805	...
												Tools and Plant	291	...
												Share of collection charges	24,872	...
												Direct Receipts	...	251
												Irrigation share of Land Revenue ...	...	2,50,250
												Four per cent. on 9/10ths of proceeds from sale of occupancy rights in lands.	...	2
...	...	...	...	...	...	...	...	...	...	...	...	Total, Fuleli Canals District ...	1,60,574	2,50,523
												EASTERN NÁRA DISTRICT.		
												Nara Canal	...	...
												Share of collection charges	344	...
												Irrigation share of Land Revenue ...	...	3,444
												Total, Eastern Nára District ...	344	3,444
												Grand Total ...	14,32,044	9,35,388

R. SRINIVASA AYYAR,
Accountant General, Bombay.

STATEMENT

Statement of Area irrigated by Irrigation Works

Name of Canal.		Area Irrigated in acres.			Net area irrigated after deducting area in which remissions were granted.			Number of days the canal was in flow.	
		Kharif.	Rabi.	Total.	Kharif.	Rabi.	Total.	Kharif.	Rabi.
1		2	3	4	5	6	7	8	9
		Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Days.	Days.
MAJOR WORKS.									
Productive Works.								*Indus Right*	
Shikárpur Canals District.	Máhiwáh	26,071	7,041	33,112	23,209	6,858	30,067	100	
Begári Canals District.	Desert Canal	59,906	69,434	129,340	42,358	64,639	106,997	134	
	Unhárwáh	35,721	18,241	53,962	30,086	17,609	47,695	117	
	Begári Canal	148,054	51,523	199,577	117,286	50,464	167,750	142	
MINOR WORKS.									
Works for which Capital and Revenue Accounts are kept.									
Ghár Canals District.	Sukkur Canal ...	54,494	16,573	71,067	41,475	16,188	57,663	95	138
	Ghár Canal	182,163	90,305	272,468	159,970	89,613	249,583	145	
Karáchi Canals District.	Suttah Canal	13,490	549	14,039	11,932	540	12,472	107	
Works for which only Revenue Accounts are kept.									
Shikárpur Canals District.	Canals in Rohri... ...	26,435	6,065	32,500	22,179	6,001	28,180	88	
	Sind Canal	41,757	12,488	54,245	36,501	12,315	48,816	122	
	Rajib Canal	3,704	2,535	6,239	2,470	2,517	4,987	113	
	Chitti Canal	3,269	3,009	6,278	2,838	2,998	5,836	106	
	Garang Canal	2,371	1,359	3,730	1,909	1,356	3,265	103	
Western Nára District.	Western Nára including Nára Feeder and Pritchard Canal.	147,455	67,938	215,393	103,353	65,653	169,006	123	
	Marvi	2,119	398	2,517	1,264	398	1,662	108	
	Dadu Canal	6,292	4,332	10,624	4,593	4,332	8,925	114	
	Phitta Canal	2,677	447	3,124	1,991	342	2,333	120	
	Chario Wahur (Aral) including Manchar.	2,583	7,727	10,310	1,720	7,227	8,947	117	
	Canals north of Kotri ...	3,536	2,882	6,418	3,143	2,818	5,961	71	
	Wahurwáh	1,561	239	1,800	1,212	231	1,443	98	
Karáchi Canals District.	Baghar	26,171	3,561	29,732	9,931	3,561	13,492	107	
	Pinyári	70,733	14,669	85,402	61,325	10,448	71,773	107	
	Kalri	10,937	1,489	12,426	6,840	1,486	8,326	107	
MAJOR WORKS.									
Productive Works.								*Indus Left*	
Jámráo Canal District.	Jámráo Canal	159,135	72,201	2,31,336	157,706	70,549	228,255	179	182
Nasrat Canals District.	Dád Canal¶	76,571	8,691	85,262	74,627	8,583	83,210	97	
	Nasrat Canal	57,646	1,890	59,536	48,473	1,814	50,287	98	
Eastern Nára District.	Mithráo Canal	101,216	5,163	106,379	90,842	5,098	95,940	168	62
	Thar Canal	50,134	2,587	52,721	48,247	2,530	50,777	153	
	Hiral Canal	11,902	530	12,432	11,773	500	12,273	153	
	Khipro Canal	2,418	1	2,419	1,605	1	1,606	117	
MINOR WORKS.									
Works for which Capital and Revenue Accounts are kept.									
Hyderabad Canals District.	Alibahar Kacheri ...	9,579	482	10,061	9,003	482	9,485	118	
	Great Márak	60,785	4,437	65,222	59,460	4,418	63,878	121	
	Sarfraz	19,252	1,643	20,895	18,151	1,643	19,794	92	
Fuleli Canals District.	Fuleli Canal	298,780	62,668	361,448	292,049	62,479	354,528	183	182
	Hasanali Canal ...	16,087	1,274	17,361	14,755	1,248	16,003	129	
Works for which only Revenue Accounts are kept.									
Nasrat Canals District.	Mehrabwáh	6,464	218	6,682	3,573	179	3,752	93	
	Naulakhi	38,695	5,329	44,024	29,926	5,326	35,252	98	
	Dambro	10,955	1,286	12,241	9,798	929	10,727	93	

I-E.

in Sind during the year 1918-1919.

Average Discharge in cubic feet per second.				Area irrigated per cubic foot per second.				A = Depth of water used on area irrigated.		Remarks.
At Head.		Utilized.		At Head.		Utilized.				
Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.	Kharif.	Rabi.	
10	11	12	13	14	15	16	17	18	19	20
C. ft.	C. ft.	C. ft.	C. ft.	Acres.	Acres.	Acres.	Acres.	Feet.	Feet.	
Bank Division.										
1,026		1,026		29		29		6·89		
1,545		1,545		69		69		3·88		
1,022		1,022		47		47		4·98		
4,068		4,068		41		41		6·92		
1,474 | 3,801	84	1,474 | 3,801	84	28 | 66	193	28 | 66	193	6·78 | 4·89	1·43	
526		526		24		24		8·92		
731		731		39		39		4·51		
1,251		1,251		39		39		6·26		
102		102		49		49		4·61		
94		94		62		62		3·42		
49		49		67		67		3·07		
3,705		3,705		46		46		5·35		
47		47		35		35		6·17		
79		79		Discharge incomplete. 30		30		8·0		
1,470		1,470		6		6		3·9		
52		52		115		115		1·23		
42		42		34		34		5·76		
3,538		Not known		4		...		53·5		High delta in Baghar is due to large quantity of water running to waste into the sea for want of regulators.
2,223		2,223		32		32		6·69		
389		389		21		21		10·19		
Bank Division.										
2,515 | 1,053		2,515 | 1,053		63·2 | 68·5		63·2 | 68·5		5·6 | 5·3‡		‡ During the rabi season 110,855 acres of cotton—a kharif crop—were also watered for a few months.
3,239		3,139		26		26		7·4		
1,315		1,315		38		38		5·1		§ An average discharge of 100 cusecs was wasted at the tails of Dad and the Yarowáh.
1,774 | 966	239	1,774 | 966	239	51 | 53	21	51 | 53	21	6·6 | 5·8	5·9	¶ Includes also area irrigated on Ren Distributary *ex* Dad in the Hyderabad Canals District.
174		174		71		71		4·3		
41		41		39		39		6·0		
336		336		28		28		8·4		
835		835		76		76		3·2		
243		243		81		81		2·3		
5,909 | 521	1,524	5,901 | 521	1,388	49 | 28	41	49 | 28	45	7·5 | 9·2	8·9	
62		62		108		108		1·7		
1,268		1,268		35		35		5·6		
211		211		58		58		3·2		

STATEMENT II-E.

Statement showing Incidence of Working Expenses on Assessed Revenue on Canals in Sind, during the year 1918-1919.

Name of Canal.	Average discharge of the year at Canal Head in cubic foot per second.	Water-rate assessed during 1918-1919.					Gross Assessed Revenue from all sources.	Working Expenses, Direct and Indirect.	Area irrigated during the year	Working Expenses.			90 per cent. of Net Consolidated Assessment.		Total Water Rate, Direct and Indirect.	
		Occupier's.	Owner's.	Total, Direct.	Indirect.	Total, Direct and Indirect.				Per cent. on Gross Revenue.	Per Acre irrigated.	Per cubic foot per second of Canal discharge at Head.	Per Acre irrigated.	Per cubic foot per second of Canal discharge at Canal Head.	Per acre irrigated.	Per cubic foot per second of Canal discharge at Canal Head.
1	2	3	4	5	6	7	8	9	10*	11	12	13	14	15	16	17
	C. ft.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Acres.		Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Major Works.																
Productiv Works.																
Shikárpur Canals District, Mahiwáh ...	1,026	388	...	388	83,181	83,569	85,039	1,51,423	32,103	178·06	4·72	147·69	2·49	77·97	2·60	81·45
Begári Canals District { Desert Canal ...	1,545	70,942	...	70,942	1,05,244	2,66,186	2,70,319	1,01,931	121,202	37·69	0·84	65·97	2·24	124·89	2·20	172·29
Unharwáh ...	1,022	143	...	143	1,20,303	1,20,446	1,20,093	47,378	51,780	39·16	0·91	46·36	2·27	114·74	2·33	117·85
Begári Canals ...	4,068	24,523	...	24,523	3,83,134	4,07,657	4,12,234	1,77,394	109,693	43·03	1·05	43·60	2·50	91·86	2·40	100·21
Jámráo Canal District. Jámráo Canal ...	1,773	1,546	...	1,546	7,11,167	7,12,713	7,42,526	3,96,547	223,958	53·40	1·77	223·66	2·39	360·58	3·18	401·98
Nasrat Canals District. { Dád Canal ...	3,239	1,911	...	1,911	2,08,340	2,10,251	2,12,269	1,93,568	83,543	91·19	2·34	59·76	2·56	61·82	2·54	64·91
Nasrat Canal ...	1,315	56	...	56	1,65,472	1,65,528	1,67,470	1,55,230	59,389	92·69	2·61	118·03	2·54	215·36	2·78	127·35
Eastern Nára District. { Mithrao Canal ...	1,359	482	...	482	2,70,168	2,70,650	2,77,822	1,48,272	105,104	53·56	1·41	109·47	2·59	108·50	2·57	199·15
Thar Canal ...	966	1,771	...	1,771	1,46,088	1,47,857	1,52,240	43,360	51,890	28·49	0·83	41·89	2·28	150·91	2·85	152·95
Eastern Nára ...	...	1,623	...	1,623	54,270	55,893	62,511	1,01,039	37,307	161·63	2·70	...	1·50	...	1·49	...
Hiral Canal ...	174	...	...	...	41,820	41,820	41,993	14,355	12,335	34·18	1·16	62·55	3·15	223·57	3·39	240·34
Total, Major Works ...	...	1,03,386	...	1,03,386	23,79,185	24,82,570	25,45,516	15,30,297	947,212	60·15	1·62	...	2·47	...	2·62	...
Minor Works.																
Works for which Capital and Revenue Accounts are kept.																
Ghár Canals District... { Sukkur Canal ...	1,558	1,008	...	1,008	1,69,460	1,70,468	1,74,501	79,901	59,872	45·79	1·33	51·28	2·85	106·22	2·85	109·41
Ghár Canal ...	3,801	2,721	...	2,721	7,43,774	7,46,495	7,56,756	1,95,009	199,908	25·33	0·98	51·30	3·78	193·68	3·73	116·39
Karáchi Canals District. Sattah Canal ...	526	47	...	47	30,768	30,816	30,817	15,817	13,661	51·33	1·16	30·97	2·20	56·77	2·24	58·53
Hyderabad Canals { Alibahár Kacheri	336	358	...	358	21,517	21,875	22,222	8,567	9,970	26·40	0·59	17·46	2·32	61·05	2·19	65·10
District. Great Márak ...	835	2,131	...	2,131	1,61,282	1,63,413	1,65,792	51,696	54,832	31·16	0·79	61·89	2·68	189·07	2·52	195·70
Sarfraz ...	248	1,256	...	1,256	46,730	47,986	50,101	21,086	20,730	42·28	1·04	89·24	2·47	186·98	2·31	297·47
Fuleli Canals District { Fuleli Canal ...	3,557	30,625	...	30,625	8,33,633	8,64,258	8,80,460	3,88,241	353,793	43·87	1·09	108·59	2·78	230·10	2·44	242·95
Hasanali Canal ...	521	318	...	318	43,886	44,204	44,657	16,112	17,066	36·07	0·94	50·92	2·62	82·90	2·59	84·84
Total, Minor Works ...	...	38,464	...	38,464	20,51,050	20,89,514	21,27,306	7,72,310	730,837	36·31	1·04	...	3·13	...	2·82	...
Grand Total ...	...	1,41,849	...	1,41,849	44,30,235	45,72,084	46,72,822	23,03,307	1,687,049	49·29	1·37	...	2·80	...	2·71	...

* *Note.*—The figures of area given in this column are exclusive of Dubari cultivation.

STATEMENT III—E.

STATEMENT III-E.

Statement of Quantity and Value of Crops irrigated in Sind during the year 1918-1919.

Description of Crops.	Begári Canals District.								
	Desert Canal.			Unhárwah.			Begári Canal.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	2	3	4	5	6	7	8	9	10
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	15,626	6,38,011	41	2,338	1,19,339	51	68,576	24,59,611	36
Kharif ... Jowári ...	20,984	9,84,806	47	5,971	2,00,154	34	52,530	12,83,678	24
Kharif ... Bájri ...	20,713	8,56,152	41	26,412	9,97,950	38	23,075	5,16,737	22
Kharif ... Cotton ...	87	12,942	149	89	21,120	237	57	3,868	68
Kharif ... Other crops ...	2,496	89,489	36	911	25,688	28	3,816	1,50,933	40
Kharif ... Total ...	59,906	25,81,400	43	35,721	13,64,251	38	148,054	44,14,827	30
Rabi ... Wheat ...	32,935	20,24,007	62	10,368	7,14,488	69	11,822	7,77,752	66
Rabi ... Barley ...	10	420	42	9	355	39	15	630	42
Rabi ... Oil-seeds ...	14,859	4,53,646	31	1,655	80,710	49	5,287	92,260	17
Rabi ... Other crops ...	21,630	7,70,430	36	6,209	1,90,047	31	34,399	7,39,130	21
Rabi ... Total ...	69,434	32,48,503	47	18,241	9,85,600	54	51,523	16,09,772	31
Total under both Heads ...	129,340	58,29,903	45	53,962	23,49,851	44	199,577	60,24,599	30

Description of Crops.	Begári Canals District—*concluded.*						Shikárpur Canals District.		
	Canals from Káshmor Bund.			Total.			Mahiwáh.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	11	12	13	14	15	16	17	18	19
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	540	10,692	20	87,080	32,27,653	37	2,499	17,154	7
Kharif ... Jowári ...	634	16,286	26	80,119	24,84,924	31	14,943	44,451	3
Kharif ... Bájri ...	1,253	33,108	26	71,458	24,03,947	34	6,898	20,693	3
Kharif ... Cotton ...	48	5,784	121	281	43,714	156	230	2,680	12
Kharif ... Other crops ...	91	658	7	7,314	2,66,768	36	1,501	58,237	39
Kharif ... Total ...	2,566	66,528	26	246,247	84,27,006	34	26,071	1,43,215	5
Rabi ... Wheat ...	1,239	78,438	63	56,364	35,94,685	64	5,833	1,08,002	19
Rabi ... Barley ...	3	123	41	37	1,528	41	68	1,913	28
Rabi ... Oil-seeds ...	69	1,365	20	21,870	6,27,981	29	322	4,505	14
Rabi ... Other crops ...	345	5,922	17	62,583	17,05,529	27	818	32,600	40
Rabi ... Total ...	1,656	85,848	52	140,854	59,29,723	42	7,041	1,47,020	21
Total under both Heads ...	4,222	1,52,376	36	387,101	1,43,56,729	37	33,112	2,90,235	9

STATEMENT III-E—*continued.*

SHIKÁRPUR CANALS DISTRICT—*continued*

Description of Crops.	Canals in Rohri.			Sind Canal.			Rajib Canal.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	20	21	22	23	24	25	26	27	28
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	3,667	44,769	12	20,477	2,97,665	15	2,366	18,928	8
Kharif ... Jowári ...	19,545	69,654	4	17,433	1,24,005	7	1,066	5,330	5
Kharif ... Bájri ...	737	2,170	3	1,162	10,379	9	...	...	...
Kharif ... Cotton ...	463	11,450	25	98	2,760	28	27	270	10
Kharif ... Other crops ...	2,023	87,010	43	2,587	78,577	30	245	8,330	34
Kharif ... Total ...	26,435	2,15,053	8	41,757	5,13,386	12	3,704	32,858	9
Rabi ... Wheat ...	5,137	1,47,913	29	5,407	1,54,945	29	1,207	48,152	40
Rabi ... Barley ...	56	1,467	26	4	80	20	2	40	20
Rabi ... Oil-seeds ...	198	5,901	30	582	7,206	12	33	594	18
Rabi ... Other crops ...	674	28,374	42	6,495	1,14,673	18	1,293	28,446	22
Rabi ... Total ...	6,065	1,83,655	30	12,488	2,76,904	22	2,535	77,232	30
Total under both Heads ...	32,500	3,98,708	12	54,245	7,90,290	15	6,239	1,10,090	18

SHIKÁRPUR CANALS DISTRICT—*continued.*

Description of Crops.	Chitti Canal.			Garang Canal.			Bunds in Rohri.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	29	30	31	32	33	34	35	36	37
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	1,646	13,168	8	401	3,208	8	...	...	...
Kharif ... Jowári ...	1,242	6,210	5	1,718	8,590	5	29	58	2
Kharif ... Bájri ...	2	22	11	15	165	11	...	...	...
Kharif ... Cotton ...	6	60	10	33	330	10	1	20	20
Kharif ... Other crops ...	373	12,682	34	204	6,936	34	14	420	30
Kharif ... Total ...	3,269	32,142	10	2,371	19,229	8	44	498	11
Rabi ... Wheat ...	1,541	61,640	40	710	28,400	40	60	1,500	25
Rabi ... Barley ...	1	20	20	1	20	20	...	...	...
Rabi ... Oil-seeds ...	64	1,152	18	28	504	18	...	...	...
Rabi ... Other crops ...	1,403	30,866	22	620	13,640	22	...	...	...
Rabi ... Total ...	3,009	93,678	31	1,359	42,564	31	60	1,500	25
Total under both Heads ...	6,278	1,25,820	20	3,730	61,793	17	104	1,998	19

STATEMENT III-E—*continued.*

Description of Crops.	Shikárpur Canals District—*concluded.*								
	Sukkur Begári Bund.			Kásimpur Bund.			Total.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	38	39	40	41	42	43	44	45	46
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	357	2,856	8	...	...	...	31,413	3,97,748	13
Kharif ... Jowári ...	965	4,960	5	463	1,389	3	57,404	2,64,647	5
Kharif ... Bájri ...	44	547	12	1	3	3	8,859	33,979	4
Kharif ... Cotton ...	59	620	11	2	60	30	919	18,250	20
Kharif ... Other crops ...	278	9,450	34	1	56	56	7,226	2,61,698	36
Kharif ... Total ...	1,703	18,433	11	467	1,508	3	105,821	9,76,322	9
Rabi ... Wheat ...	862	33,760	39	87	2,610	30	20,844	5,86,922	28
Rabi ... Barley ...	...	...	...	...	...	...	132	3,540	27
Rabi ... Oil-seeds ...	23	414	18	...	...	...	1,250	20,276	16
Rabi ... Other crops ...	781	17,178	22	1	56	56	12,085	2,65,833	22
Rabi ... Total ...	1,666	51,352	31	88	2,666	30	34,311	8,76,571	26
Total under both Heads ...	3,369	69,785	21	555	4,174	8	140,132	18,52,893	13

Description of Crops.	Ghár Canals District.								
	Sukkur Canal.			Ghár Canal.			Ghár Bunds.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	47	48	49	50	51	52	53	54	55
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	39,097	6,96,688	18	159,200	32,46,202	20	1	8	8
Kharif ... Jowári ...	13,452	1,18,239	9	18,667	1,62,016	9	170	850	5
Kharif ... Bájri ...	655	4,169	6	534	2,591	5	4	38	9
Kharif ... Cotton ...	32	898	28	76	4,990	66	...	...	...
Kharif ... Other crops ...	1,258	19,204	15	3,686	68,039	18	82	2,788	34
Kharif ... Total ...	54,494	8,39,198	15	182,163	34,83,838	19	257	3,684	14
Rabi ... Wheat ...	8,192	2,47,825	30	24,511	5,28,533	22	158	6,320	40
Rabi ... Barley ...	13	201	15	48	510	11	1	20	20
Rabi ... Oil-seeds ...	985	10,428	11	13,500	1,04,482	8	3	54	18
Rabi ... Other crops ...	7,383	1,07,242	15	52,246	6,96,001	13	34	748	22
Rabi ... Total ...	16,573	3,65,696	22	90,305	13,29,526	15	196	7,142	36
Total under both Heads ...	71,067	12,04,894	17	272,468	48,13,364	17	453	10,826	24

STATEMENT III-E—*continued.*

Description of Crops.		Ghár Canals District—*concld.* Total.			Karachi Canal District. Canals and Bunds.			Western Nára District. Canals and Bunds.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1		56	57	58	59	60	61	62	63	64
		Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif	Rice	198,298	39,42,898	20	174,161	69,66,440	40	119,932	13,36,436	11
	Jowári	32,289	2,81,105	9	587	17,610	30	40,516	3,74,410	9
	Bájri	1,193	6,795	6	5,926	1,77,780	30	3,509	76,682	22
	Cotton	108	5,888	55	72	7,200	100	353	9,792	28
	Other crops	5,026	90,031	18	5,892	1,17,840	20	3,269	41,969	13
	Total	236,914	43,26,720	18	186,638	72,86,870	39	167,579	18,39,289	11
Rabi	Wheat	32,861	7,82,678	24	129	3,870	30	32,739	4,79,809	15
	Barley	62	731	12	5,107	2,04,280	40	2,216	41,797	19
	Oil-seeds	14,488	1,14,964	8	13,092	2,61,840	20	13,629	1,21,815	9
	Other crops	59,663	8,03,991	13	8,332	2,49,960	30	35,653	2,58,935	7
	Total	107,074	17,02,364	16	26,660	7,19,950	27	84,237	9,02,356	11
Total under both Heads		343,988	60,29,084	18	213,298	80,06,820	38	251,816	27,41,645	11

Description of Crops.		Indus Right Bank Division. Total.			Jámba'o Canal District. Jámráo Canal.			Eastern Nára District. Nára Supply Channel.		
		Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1		65	66	67	68	69	70	71	72	73
		Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif	Rice	610,884	1,58,71,175	26	5	200	40	439	2,195	5
	Jowári	210,915	34,22,696	16	3,961	2,06,602	52	706	2,118	3
	Bájri	90,940	26,99,186	30	37,386	8,97,302	24	48	144	3
	Cotton	1,733	84,844	49	110,855	1,28,22,200	116	2	60	30
	Other crops	28,727	7,78,306	27	6,928	1,98,862	29	182	10,192	56
	Total	943,199	2,28,56,207	24	159,135	1,41,25,166	89	1,377	14,709	11
Rabi	Wheat	142,937	54,47,964	38	48,145	27,71,508	58	6,813	2,04,390	30
	Barley	7,554	2,51,876	33	721	31,588	44	12	360	30
	Oil-seeds	64,329	11,46,876	18	1,570	33,291	21	338	13,520	40
	Other crops	178,316	32,84,248	18	21,765	5,85,598	27	1,604	89,824	56
	Total	393,136	1,01,30,964	26	72,201	34,21,985	47	8,767	3,08,094	35
Total under both Heads		1,336,335	3,29,87,171	25	231,336	1,75,47,151	76	10,144	3,22,803	32

STATEMENT III-E—*continued.*

Description of Crops.	Eastern Nára.			Mithráo Canal.			Thar Canal.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	74	75	76	77	78	79	80	81	82
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	10,098	7,31,809	72	48,986	29,19,151	60	41,811	16,64,601	40
Kharif ... Jowári ...	46	1,044	23	283	5,216	18	31	790	25
Kharif ... Bájri ...	7,437	2,49,882	34	10,431	3,00,483	29	1,649	39,439	24
Kharif ... Cotton ...	4,279	4,10,815	96	40,992	40,07,706	98	6,273	6,27,300	100
Kharif ... Other crops...	110	2,279	21	524	10,963	21	370	12,411	34
Kharif ... Total ...	21,970	13,95,829	64	1,01,216	72,43,519	72	50,134	23,44,541	47
Rabi ... Wheat ...	1,533	79,215	52	2,899	83,021	29	1,034	37,095	36
Rabi ... Barley ...	67	2,253	34	44	1,166	27	177	3,186	18
Rabi ... Oil-seeds ...	639	9,382	15	433	5,715	13	335	3,015	9
Rabi ... Other crops...	1,439	27,089	19	1,787	32,168	18	1,041	36,559	35
Rabi ... Total ...	3,678	1,17,939	32	5,163	1,22,070	24	2,587	79,855	31
Total under both Heads ...	25,648	15,13,768	59	1,06,379	73,65,589	69	52,721	24,24,396	46

EASTERN NÁRA DISTRICT—*continued.*

Description of Crops.	Khipro Canal.			Hiral Canal.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	83	84	85	86	87	88
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	598	48,139	81	5,002	1,20,048	24
Kharif ... Jowári ...	6	148	25	21	704	34
Kharif ... Bájri ...	1,345	52,343	39	2,429	76,514	32
Kharif ... Cotton ...	419	38,269	91	4,295	3,73,665	87
Kharif ... Other crops...	50	966	19	155	4,650	30
Kharif ... Total ...	2,418	1,39,865	58	11,902	5,75,581	48
Rabi ... Wheat ...	...	...	...	292	7,738	27
Rabi ... Barley ...	...	...	...	1	20	20
Rabi ... Oil-seeds ...	...	...	...	127	1,143	9
Rabi ... Other crops...	1	18	18	110	2,185	20
Rabi ... Total ...	1	18	18	530	11,086	21
Total under both Heads ...	2,419	1,39,883	58	12,432	5,86,667	47

STATEMENT III-E—*continued.*

Description of Crops.	Eastern Nára District—*concld.* Total.			Nasrat Canals District. Dad* Canal.			Nasrat Canal.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	89	90	91	92	93	94	95	96	97
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	106,934	54,35,943	51	15,114	3,53,953	23	185	3,180	17
Jowári ...	1,093	10,020	9	20,872	4,06,496	19	26,566	76,340	3
Bájri ...	23,339	7,18,805	31	27,087	7,75,884	29	8,107	40,792	5
Cotton ...	56,260	54,57,815	97	8,642	5,08,719	59	18,056	8,74,116	48
Other crops ...	1,391	41,461	30	4,856	1,33,352	27	4,732	62,575	13
Total ...	189,017	1,17,14,044	62	76,571	21,78,384	28	57,646	10,57,003	18
Rabi ... Wheat ...	12,571	4,11,459	33	3,318	1,31,003	39	456	23,659	52
Barley ...	391	6,985	23	593	17,458	29	6	162	27
Oil-seeds ...	1,872	32,775	18	1,862	75,194	40	718	10,906	15
Other crops ...	5,982	1,87,843	31	2,918	40,802	14	710	10,806	15
Total ...	20,726	6,39,062	31	8,691	2,64,457	30	1,890	45,533	24
Total under both Heads ...	209,743	123,53,106	59	85,262	24,42,841	29	59,536	11,02,536	18

* Includes also figures for Ren Distributary *ex*-Dad which is in charge of the Executive Engineer, Hyderabad Canals District.

Description of Crops.	Nasrat Canals District—*concluded.* Other Canals.			Total.			Hyderabad Canals District. Alibahar Kacheri.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	98	99	100	101	102	103	104	105	106
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	7,353	1,54,288	21	22,652	5,11,421	23	398	9,552	24
Jowári ...	42,268	1,93,409	5	89,706	6,76,245	8	569	8,320	15
Bájri ...	9,237	76,421	8	44,431	8,93,097	20	5,838	1,08,810	19
Cotton ...	2,202	69,856	32	28,900	14,52,691	50	2,640	1,61,850	61
Other crops ...	1,917	59,747	31	11,505	2,55,654	22	134	3,120	23
Total ...	62,977	5,53,721	9	197,194	37,89,108	19	9,579	2,91,652	31
Rabi ... Wheat ...	7,440	2,54,493	34	11,214	4,09,155	36	117	5,700	49
Barley ...	527	11,646	22	1,126	29,266	26	3	72	24
Oil-seeds ...	407	8,974	22	2,987	95,074	32	45	1,884	42
Other crops ...	1,031	16,456	16	4,659	68,064	15	317	6,406	20
Total ...	9,405	2,91,569	31	19,986	6,01,559	30	482	14,062	29
Total under both Heads ...	72,382	8,45,290	11	217,180	43,90,667	20	10,061	3,05,714	30

STATEMENT III-E—*continued.*

Description of Crops.	Hyderabad Canals District—*continued.*								
	Great Márak.			Sarfraz.			Other Canals.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	107	108	109	110	111	112	113	114	115
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif — Rice	6,020	1,80,240	30	1,139	27,598	24	1,570	55,390	35
Kharif — Jowári	1,542	17,278	11	362	7,078	19	2,691	51,291	19
Kharif — Bájri	30,147	3,70,895	12	9,894	1,84,953	19	69,103	16,07,846	23
Kharif — Cotton	22,104	20,50,140	93	7,442	3,17,770	43	45,268	24,54,788	54
Kharif — Other crops	972	31,618	33	415	10,812	26	3,442	1,29,784	38
Kharif — Total	60,785	26,50,171	43	19,252	5,48,211	28	122,074	42,99,099	35
Rabi — Wheat	548	24,041	44	176	3,808	22	1,592	66,867	42
Rabi — Barley	...	...	...	...	...	...	3	45	15
Rabi — Oil-seeds	576	20,195	35	126	5,238	42	293	9,578	33
Rabi — Other crops	3,313	38,073	11	1,341	20,018	15	14,810	2,43,003	16
Rabi — Total	4,437	82,309	19	1,643	29,064	17	16,698	3,19,493	19
Total under both Heads	65,222	27,32,480	42	20,895	5,77,275	27	138,772	46,18,592	33

Description of Crops.	Hyderabad Canals District—*concluded.*			Fuleli Canals District.					
	Total.			Fuleli Canal.			Hassanali Canal.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	116	117	118	119	120	121	122	123	124
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif — Rice	9,127	2,72,780	30	211,521	52,49,241	25	12,814	2,05,024	16
Kharif — Jowári	5,164	83,967	16	3,111	54,889	18	50	400	8
Kharif — Bájri	114,982	22,72,504	20	49,555	7,84,229	16	2,646	31,752	12
Kharif — Cotton	77,454	49,84,548	64	28,674	9,64,884	34	407	6,105	15
Kharif — Other crops	4,963	1,75,334	35	5,919	2,19,180	37	170	6,564	39
Kharif — Total	211,690	77,89,133	37	298,780	72,72,423	24	16,087	2,49,845	16
Rabi — Wheat	2,483	1,00,416	41	10,311	2,23,201	21	27	432	16
Rabi — Barley	6	117	20	2,358	52,924	22	73	657	9
Rabi — Oil-seeds	1,040	36,895	35	29,114	5,34,204	18	935	16,830	18
Rabi — Other crops	19,781	3,07,500	16	20,885	3,28,955	15	239	3,018	13
Rabi — Total	23,260	4,44,928	19	62,668	11,39,284	18	1,274	20,937	16
Total under both Heads	234,950	82,34,061	35	361,448	84,11,707	23	17,361	2,70,782	16

STATEMENT III-E—*concluded.*

FULELI CANALS DISTRICT—*concluded.*

Description of Crops.	Other Canals.			Total.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	125	126	127	128	129	130
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	11,120	2,82,770	25	235,455	57,37,035	24
Kharif ... Jowári ...	114	1,614	14	3,275	56,933	17
Kharif ... Bájri ...	6,234	90,459	15	58,435	9,06,440	16
Kharif ... Cotton ...	1,735	38,651	22	30,816	10,09,640	33
Kharif ... Other crops ...	221	8,516	39	6,310	2,34,260	37
Kharif ... Total ...	19,424	4,22,040	22	334,291	79,44,308	24
Rabi ... Wheat ...	65	1,214	19	10,403	2,24,847	22
Rabi ... Barley ...	159	2,211	14	2,590	55,792	22
Rabi ... Oil-seeds ...	1,299	16,111	12	31,348	5,67,145	18
Rabi ... Other crops ...	1,476	11,145	8	22,600	3,43,118	15
Rabi ... Total ...	2,999	30,681	10	66,941	11,90,902	18
Total under both Heads ...	22,423	4,52,721	20	401,232	91,35,210	23

Description of Crops.	Indus Left Bank Division. Total.			Grand Total for Sind.		
	Area irrigated.	Estimated value.	Value per acre.	Area irrigated.	Estimated value.	Value per acre.
1	131	132	133	134	135	136
	Acres.	Rs.	Rs.	Acres.	Rs.	Rs.
Kharif ... Rice ...	374,173	1,20,07,379	32	985,057	2,78,78,554	28
Kharif ... Jowári ...	103,199	10,33,767	10	314,114	44,56,463	14
Kharif ... Bájri ...	278,573	56,88,148	20	369,513	88,87,334	22
Kharif ... Cotton ...	304,285	2,57,26,894	84	306,018	2,58,11,738	84
Kharif ... Other crops ...	31,097	9,05,571	29	59,824	16,88,877	28
Kharif ... Total ...	1,091,327	4,53,61,759	41	2,034,526	6,82,17,966	33
Rabi ... Wheat ...	84,766	39,17,385	46	227,703	93,65,349	41
Rabi ... Barley ...	4,744	1,23,748	26	12,298	3,75,624	30
Rabi ... Oil-seeds ...	38,817	7,65,180	19	103,146	19,12,056	18
Rabi ... Other crops ...	74,787	14,92,123	20	253,103	47,76,371	19
Rabi ... Total ...	203,114	62,98,436	31	596,250	1,64,29,400	27
Total under both Heads ...	1,294,441	5,16,60,195	39	2,630,776	8,46,47,366	32

STATEMENT

Comparative Statement of Irrigation and Rainfall for

Civil District.	Of the Civil District.			Works supplying Irrigation.			Culturable Area commanded by the Irrigation Works, in column 6 in Acres.
	Total Area in Acres.	Culturable Area in Acres.	Cultivated Area in Acres.	No.	Name.		
1	2	3	4	5	6		7
	Acres.	Acres.	Acres.				Acres.
Khelat Territory.	513,195	276,920	85,140	1	Desert Canal		101,493
				2	Begári Canal		180,000
						Total ...	281,493
Upper Sind Frontier.	1,702,443	1,229,189	343,070	3	Desert Canal		287,492
				4	Unharwáh		214,056
				5	Begári Canal		416,887
				6	Canals from Kashmor Bund ...		29,401
				7	Sukkur Canal		50,618
				8	Ghár Canal		53,714
				9	Sind Canal		4,119
				10	Canals in Rohri		...
						Total ...	1,056,287
Sukkur Collectorate.	3,604,905	1,924,760	211,765	11	Begári Canal		83,334
				12	Sukkur Canal		58,056
				13	Ghár Canal		942
				14	Ghár Bunds		2,940
				15	Mahiwáh		145,445
				16	Sind Canal		186,919
				17	Canals in Rohri		146,498
				18	Garang Canal		17,900
				19	Rajib Canal		12,400
				20	Chitti Canal		18,200
				21	Bunds in Rohri		450
				22	Sukkur-Begári Bund		19,268
				23	Kásimpur Bund		5,000
				24	Nára Supply Channel		25,000
						Total ...	722,352
Lárkána Collectorate.	1,835,035	1,249,484	421,207	25	Begári Canal		300
				26	Sukkur Canal		60,620
				27	Ghár Canal		375,822
				28	Ghár Bunds		220
				29	Sind Canal		97
				30	Western Nára		338,705
				31	New Feeder		1,600
				32	Pritchard Canal		21,041
				33	Wahurwah		7,200
				34	Marvi		9,721
				35	Dádu Canal		30,654
				36	Phitta Canal		14,460
				37	Manchar		21,500
				38	Aral		11,000
				39	Nára Bunds		10,005
						Total ...	902,945
Karáchi Collectorate.	5,498,556	1,863,867	266,692	40	Canals north of Kotri		21,780
				41	Bunds north of Kotri		1,150
				42	Kalri		36,130
				43	Baghar		67,158
				44	Indus Canal, Right Bank		80,546
				45	Pinyári		138,002
				46	Indus Canal, Left Bank		147,391
				47	Sattah		60,976
				48	Bunds, Right Bank		9,740
				49	Bunds, Left Bank		23,520
				50	Other Canals (Mulchand)		14,501
						Total ...	600,894

IV-E.

...years 1917-1918 and 1918-1919 in Sind.

Area at present estimated as annually irrigated by the works specified in column 6.	AREA IRRIGATED IN ACRES.						RAINFALL.		Remarks.
	1917-1918.			1918-1919.			1917-1918.	1918-1919.	
	Kharif.	Rabi.	Total.	Kharif.	Rabi.	Total.			
8	9	10	11	12	13	14	15	16	17
Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Ins. cts.	Ins. cts.	
65,000	12,915	36,316	49,231	11,582*	25,937*	37,36*	9 11	1 36	*Excludes Kharaba and ... areas assessed by the P... Sibi, as under:—
30,000	12,302	6,888	19,190	8,252*	3,598*	11,850*	11 62	2 03	
95,000	25,217	43,204	68,421	19,784*	29,435*	49,219*			Kharif. Rabi. Total.
									Desert Canal. 9,795 10,... 20,18
									Begari Canal. 12,... 2,... ...
130,000	78,215	78,833	157,048	48,374	43,597	91,971	9 11	1 36	
70,000	45,576	41,346	89,922	35,721	18,241	53,962	6 64	1 5	
200,000	129,603	118,257	247,860	107,370	39,551	146,921	11 62	2 03	
4,000	2,460	2,687	5,147	2,566	1,656	4,222	11 49	1 95	
36,587	11,678	19,713	31,391	8,167	3,036	11,203	15 48	4 30	
20,185	9,706	7,824	17,530	8,534	870	9,404	15 48	4 30	
...	120	20	140	103	...	103	...	...	
...	...	...	...	...	...	...	...	...	
460,772	277,358	271,680	549,038	210,835	106,951	317,786			
50,000	41,777	22,189	63,966	32,393	8,374	40,767	11 62	2 03	
49,166	17,749	11,333	29,082	14,429	5,776	20,205	12 93	0 96	
550	233	352	585	394	39	433	17 77	0 96	
1,900	150	325	475	257	196	453	17 77	0 96	
99,000	30,171	36,621	66,792	26,071	7,041	33,112			
111,372	56,771	39,157	95,928	41,654	12,488	54,142			
82,968	26,453	28,051	54,504	26,435	6,065	32,500			
9,500	2,340	4,700	7,040	2,371	1,359	3,730			
11,300	4,799	5,671	10,470	3,704	2,535	6,239	10 31	5 43	
14,500	4,638	6,910	11,548	3,269	3,009	6,278			
180	27	122	149	44	60	104			
13,000	2,318	8,348	10,666	1,703	1,666	3,369			
4,000	452	735	1,187	467	88	555			
23,000	1,848	13,110	14,958	1,377	8,767	10,144	...	...	
470,436	189,726	177,624	367,350	154,568	57,463	212,031			
125	...	...	...	39	...	39	11 62	2 03	
49,359	38,937	29,733	68,670	31,898	7,761	39,659	17 77	0 43	
317,147	196,457	127,638	324,095	173,235	89,396	262,631	14 9	2 00	
75	...	73	73	...	...	...	17 18	1 26	
30	...	...	...	...	...	...	...	...	
266,543	183,642	120,892	304,534	142,276	66,786	209,062			
1,500	532	209	741	445	102	547			
13,000	7,922	3,004	10,926	4,734	1,050	5,784			
5,180	1,583	2,050	3,633	1,561	239	1,800			
6,700	2,078	2,402	4,480	2,119	398	2,517	15 88	0 97	
21,550	7,627	10,830	18,457	6,292	4,332	10,624			
14,400	4,009	6,149	10,158	2,677	447	3,124			
26,500	1,644	6,912	8,556	1,021	4,351	5,372			
8,000	2,740	10,075	12,815	1,562	3,376	4,938			
7,963	1,020	2,262	3,282	1,356	217	1,573			
738,072	448,191	322,229	770,420	369,215	178,455	547,670			
12,963	6,218	6,144	12,362	3,536	2,882	6,418	15 88	0 97	
605	670	196	866	...	57	57			
25,260	15,726	3,347	19,073	10,937	1,489	12,426	10 50	0 89	
26,082	30,308	9,985	40,293	26,171	3,561	29,732	14 88	0 89	
31,479	34,376	6,655	41,031	26,801	2,986	29,787	10 84	1 08	
92,789	84,381	11,152	95,533	70,733	14,669	85,402	12 13	1 13	
57,634	38,769	3,569	42,338	30,426	2,584	33,010	11 71	1 06	
14,059	16,080	946	17,026	13,490	549	14,039	9 75	0 75	
4,986	5,748	546	6,294	4,672	450	5,122	12 14	1 05	
5,248	5,367	1,467	6,834	3,408	372	3,780	11 84	0 91	
3,206	4,317	619	4,936	4,906	1,000	5,906	...	...	
274,311	241,960	44,626	286,586	195,080	30,599	225,679			

STATEMENT

Civil District.	Of the Civil District.			Works supplying Irrigation.			Culturable Area commanded by the Irrigation Works, in column 6 in Acres.
	Total Area in Acres.	Culturable Area in Acres.	Cultivated Area in Acres.	No.	Name.		
1	2	3	4	5	6		7
	Acres.	Acres.	Acres.				Acres.
Thar and Párkar	8,727,682	2,529,752	490,697	51	Jámráo Canal		590,496
				52	Eastern Nára		501,609
				53	Mithráo Canal		406,675
				54	Khipro Canal		33,745
				55	Thar Canal		136,000
				56	Hiral Canal		49,916
				57	Gháro Mahmudo		40,300
				58	Kari Shumali		26,600
						Total ...	1,785,341
Nawabshah Collectorate.	2,487,042	1,681,015	409,516	59	Jamráo Canal		201,610
				60	Mehrabwah		64,996
				61	Nasrat Canal		310,440
				62	Naulákhi		154,956
				63	Dámbro		41,872
				64	Dad Canal		352,349
				65	Ren Distributary *ex* Dad		40,658
				66	Renwah		90,500
				67	Alibahar Kacheri		49,653
				68	Great Márak		171,670
				69	Gháro Mahmudo		57,380
				70	Other Canals		119,157
						Total ...	1,655,241
Hyderabad Collectorate.	2,833,813	1,361,893	524,805	71	Jámráo Canal		...
				72	Alibahar Kacheri		2,247
				73	Great Márak		76,730
				74	Gháro Mahmudo		270,700
				75	Sarfraz		139,400
				76	Kari Shumali		185,500
				77	Nasirwah		127,300
				78	Other Canals		530
				79	Fuleli Canal		1,437,500
				80	Hasanali Canal		84,000
				81	Other Canals		95,900
						Total ...	2,419,807
	27,202,671	12,116,880	2,752,892			Grand Total ...	9,424,360

Note.—The difference in the figures of columns 2, 3 and 4 as compared with the las

IV-E—*concluded*

Area of present estimated annually irrigated by the Works specified in Column 6	Area irrigated in Acres. 1917-1918 Kharif.	Rabi	Total.	1918-1919 Kharif.	Rabi	Total.	Rainfall 1917-1918	1918-1919	Remarks
8	9	10	11	12	13	14	15	16	17
Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Ins. cts.	Ins. cts.	
196,832	109,658	70,040	179,698	118,425	58,502	176,927	14 65	2 87	
90,900	24,863	10,183	35,046	21,970	3,678	25,648	14 14	1 60	
143,500	97,026	19,429	116,455	101,216	5,163	106,379	12 51	2 03	
8,000	2,754	88	2,842	2,418	1	2,419	16 80	0 99	
50,000	49,645	2,995	52,640	50,134	2,587	52,721	17 33	1 89	
15,700	9,798	320	10,118	11,902	530	12,432	17 42	2 27	
(a)	5,784	450	6,234	5,781	198	5,979	14 37	1 21	a) Included in Hyderabad Collectorate, Separate figures not available.
(a)	4,451	280	4,731	4,432	87	4,519	13 98	1 01	
504,932	303,979	103,785	407,764	316,278	70,746	387,024			
67,203	42,491	16,170	58,661	40,706	13,699	54,405	15 51	1 22	
12,635	10,065	3,184	13,249	6,464	218	6,682	17 45	0 36	
60,790	66,401	11,477	77,878	57,646	1,890	59,536	18 4	0 38	
45,200	40,009	11,386	51,395	38,695	5,329	44,024	18 41	0 36	
13,100	12,075	3,680	15,755	10,955	1,286	12,241	19 24	0 39	
92,200	78,219	29,953	108,172	69,756	8,054	77,810	17 83	0 70	
11,285	7,712	5,555	13,267	6,815	637	7,452	20 29	0 85	
20,150	337	622	959	242	65	307	20 29	0 85	
12,500	11,052	3,945	14,997	8,249	479	8,728	17 37	0 91	
66,020	58,636	10,157	68,793	55,094	3,883	58,977	16 91	0 99	
24,000	21,171	3,909	25,080	18,719	2,057	20,776	14 37	1 21	
62,350	6,072	7,376	13,448	7,622	2,694	10,316	17 56	0 63	
487,433	354,240	107,414	461,654	320,963	40,291	361,254			
...	14	33	47	4	...	4	...	...	
18,300	1,595	738	2,333	1,330	3	1,333	17 37	0 91	
58,350	7,694	3,304	10,998	5,691	554	6,245	16 91	0 99	
68,200	44,367	9,897	54,264	37,399	8,093	45,492	14 37	1 21	
40,800	27,751	2,276	30,027	19,252	1,643	20,895	12 91	1 84	
43,000	31,211	2,558	33,769	31,683	2,119	33,802	13 98	1 01	
30,250	28,587	4,817	33,404	23,040	3,932	26,972	15 56	1 12	
(b)	13	25	38	19	25	44	...	...	(b) Included in Nawabshah Collectorate. Separate figures not available.
400,000	341,935	44,845	386,780	298,780	62,668	361,448	12 48	2 24	
30,000	18,043	912	18,955	16,087	1,274	17,361	14 63	2 88	
35,000	21,800	3,719	25,519	14,518	1,999	16,517	10 96	2 30	
723,900	523,010	73,124	596,134	447,803	82,310	530,113			
3,754,856	2,363,681	1,143,686	3,507,367	2,034,526	596,250	2,630,776			

year is due to revised figures reported this year by the Revenue Authorities.

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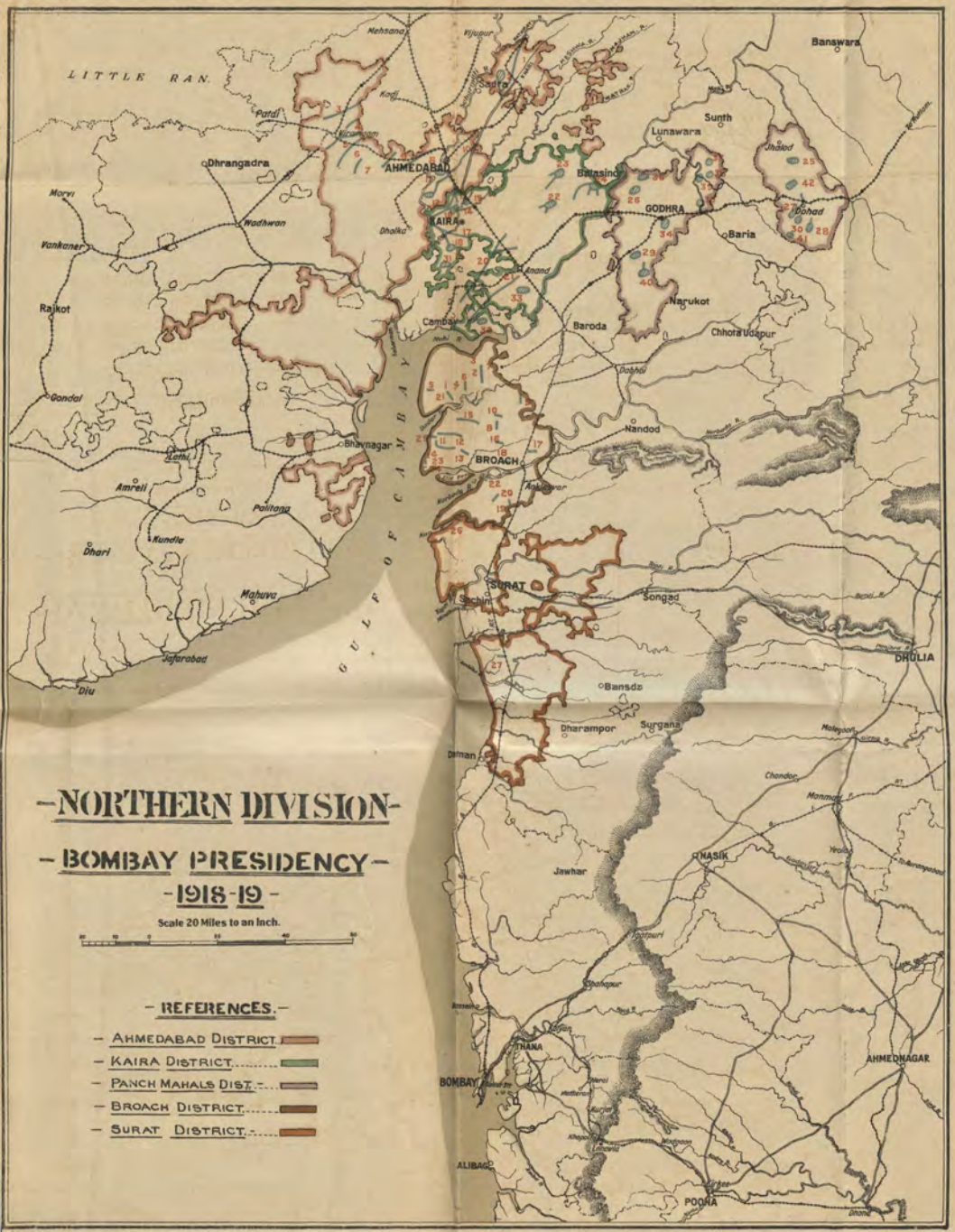

-NORTHERN DIVISION-

-BOMBAY PRESIDENCY-

-1918-19-

Scale 20 Miles to an Inch.

-REFERENCES.-

- AHMEDABAD DISTRICT.
- KAIRA DISTRICT.
- PANCH MAHALS DIST.
- BROACH DISTRICT.
- SURAT DISTRICT.

GUJARAT IRRIGATION DISTRICT

Works in Operation.

AHMEDABAD COLLECTORATE

1. Hathmati Canal.
2. Bokh Reservoir.
3. Panar Dediasan Drainage.
4. Viramgam Drainage.
5. Narsingpur Drainage.
6. Ghoda Feeder.
7. Ogan Drain.
8. Drain from Godhavi to Goraj.
9. Chekla Drain.
10. Khari Cut.
11. Chandola Tank.
12. Vasai Reservoir.

KAIRA COLLECTORATE

13. Khari Sluices.
14. Gobhalaj Tank.
15. Gulki Tank.
16. Bherai Reservoir.
17. Matar Drain.
18. Tranja Tank.
19. Nagrama Tank.
20. Anand Mogri Drain.
21. Karamsad Drain.
22. Saiat Tank.
23. Sauli Tank.
24. Wangroli Tank.

PANCHMAHALS COLLECTORATE

25. Mandelav Tank.
26. Ratneswar Tank.
27. Muwalia Tank.
28. Garabada Tank.
29. Malao Tank.
30. Futelao Tank.

Incomplete Works.

KAIRA COLLECTORATE.

31. Pariej Tank.
32. Kanbha Tank.
33. Kantharia Tank.

PANCHMAHALS COLLECTORATE

34. Kanelao Tank.
35. Orwada Tank.
36. Guneli Tank.
37. Rajayata Wandeli Tank.
38. Dangaria Tank.
39. Bodidra Tank.
40. Wada Talao.
41. Chharchoda Ambli Tank.
42. Suki River Project.

BROACH DISTRICT.

Works in Operation.

1. Kora Madapher Janfram Drainage Channel.
2. Nobarumra Kotasar do do
3. Namdhana Nobar do do
4. Amanpur Nadiad do do
5. Sindhav do do
6. Wansetta do do
7. Channel from Uber Vile to meet Chl. near Daba.
8. Kolvan Itola Drainage Channel.
9. Ghamnad Drainage Channel including Danda and Shimaltha.
10. Ninum Channel.
11. Samadhpur Paniadra Channel.
12. Pakhajan Ambhel do
13. Nadida Akhod do
14. Jolva do
15. Ora Vichiad adalpur do
16. Rahad do
17. Waghusan Drainage do
18. Wansi do
19. Adol Hajat do
20. Asta do
21. Asarsa Reclamation Bund.
22. Hansot do do
23. Protective Bund at Kadodra.
24. do do Lakhigam
25. do do Harinagar

SURAT DISTRICT.

Works in Operation.

26. Morthan Channel.
27. Waghrej Protective Works.

Executive Engineer,
Gujarat Irrigation District.

8/10/19
M.I.C.E.

Executive Engineer,
Surat & Broach District.

CENTRAL & DECCAN IRRIGATION DIVISIONS BOMBAY PRESIDENCY

FOR

IRRIGATION ADMINISTRATION REPORT

1918-19.

Scale 20 Miles to an Inch

POONA IRRIGATION DISTRICT

Works in Operation

1. Nira Canal
2. Shetphal
3. Lake Fife (Mutha Canals)
4. Matoba
5. Kasurdi
6. Shirsuphal
7. Bhadalwadi

Incomplete Works

8. Khamgaon
9. Varvand

PRAVARA CANALS DISTRICT

Works in Operation

1. Godavari R. B. Canal.....(from 0 to end)
2. Godavari L. B. Canal.....(from 0 to end)
3. Pravara R. B. Canal ..... (from 0 to end)
4. Pravara L. B. Canal ..... (completed but not in operation.)
5. Lakh Canal ..... (to be abandoned)

NASIK IRRIGATION DISTRICT

Works in Operation

1. Waghad Tank
2. Chankapur Tank
3. Khirdisathe Tank
4. Girna L.B. Canal
5. Palkhed Canal
6. Wadali Canal
7. Ojhar Tambat Canal
8. Parasul Tank
9. Girna Group
10. Aram Group
11. Mosam Group
12. Godavari Group
13. Kadwa Group
14. Darna Group
15. Deo Group
16. Mahalung Group
17. Darna Reservoir (Lake Beale)

Works under Construction—Incomplete Works

18. Bhandardara Dam (Lake A. Hill)
19. Girna L.B. Canal Extension to Odal Tank

LAKE WHITING DISTRICT

Works under Construction

New Bhatghar Dam (New Lake Whiting)

Works in Operation

1 Lake Whiting

MALSIRAS DISTRICT

Works under Construction

Nira R.B. Canal (from mile 48 to 110)

Work in Operation

1 Mhaswad Tank

Incomplete Works

2. Bhamburdi Tank

LONAND DISTRICT

Works under Construction

Nira R.B. Canal (from mile 0 to mile 47)

Works in Operation.

Nil

ARABIAN SEA
DECCAN PLATEAU
Dahanu
Jawhar
NASIK
Aurangabad
Shahapur
Basseine
Kalyan
THANA
BOMBAY
Nerol
Matheran
Karjat
Khopoli
Lonavla
Wadgaon
ALIBAG
Kirkee
POONA
Dhond
Janjira
Mangaon
Bhor
Phaltan
Indapur
Barsi
Mahableshwar
Medha
Dapoli
Khed
SATARA
Pandharpur
SHOLAPUR
Akalkot
Chiplun
Patan
Karad
Sangameshwar
Atpadi
Sangole
Vita
Jath
Tasgaon
Peth
RATNAGIRI
Sangli
Miraj
BIJAPUR
Kolhapur
Kurundwad
Athni
Rajapur
Viziadurg
Kagal
Chikori
Jamkhandi
Bagewari
Mudhol
Muddebihal
Gokak
Bagalkot
Malwan
Hungund
Vengurla
Wari
BELGAUM
Sampgaon
Khanapur
Nawalgund
Goa
Pony
Murmugoa
DHARWAR
Gadag
Jamkhed
Shevgaon
Paithan
Godavari
Kopergaon
Ahmednagar
Borsi
Madha
Hotgi
Indi
Bagalkot
Hungund
Mudhol
Gokak
Chikori
Jamkhandi
Bagewari
Athni
Kurundwad
Miraj
Sangli
Tasgaon
Jath
Vita
Atpadi
Sangole
Pandharpur
Phaltan
Bhor
Mangaon
Janjira
Dapoli
Khed
Chiplun
Patan
Karad
Sangameshwar
Rajapur
Vizadurg
Malwan
Vengurla
Wari
Goa
Pony
Murmugoa
Khanapur
Sampgaon
Belgaum
Nawalgund
Gadag
DHARWAR
Bagalkot
Hungund
Mudhol
Muddebihal
Jamkhandi
Bagewari
Chikori
Gokak

SOUTHERN DIVISION
BOMBAY PRESIDENCY
FOR
IRRIGATION ADMINISTRATION REPORT.
1918-19.

SATARA DISTRICT.

Works in Operation.

1. Krishna Canal.
2. Revari do
3. Upper Man River Works. (Pingli Tank.)
4. Yerla River Irrigation Works. (Nelir. Tank.)
5. Chikhli Canal.
6. Mayni Tank.

Incomplete Work.

7. Goregaon Tank.

BELGAUM DISTRICT.

Works in Operation.

1. Gadikeri Tank.
2. Gokak Canal:—1st Section and Storage Works.
3. Shedbal Tank.

DHARWAR IRRIGATION DISTRICT.

Works in Operation.

1. Dambal Tank
2. Medleri do
3. Madag do
4. Asundi do
5. Mavinkop do
6. Dharma and Naregal Canals. (2nd Class).

BIJAPUR DISTRICT

Work in Operation

1. Muchkundi Tank.

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INDEX MAP
OF
SIND
TO ACCOMPANY THE IRRIGATION ADMINISTRATION REPORT
1918-19.
SCALE 16 MILES=1 INCH.
REFERENCES.
Canal District boundaries shown thus
Canals
Railways
Bunds
Bunds under construction
River gauges
Rain gauges
R.G.
BEGARI CANALS
SHIKARPUR CANALS.
GHARAR
WESTERN NARA
NASRAT CANALS
KHAIRPUR STATE.
EASTERN NARA
HYDERABAD CANALS
FULELI CANALS.
KARACHI CANALS.
ARABIAN SEA.
RANN OF CUTCH
CUTCH
JACOBABAD
SHIKARPUR
SUKKUR
LARKHANA
KHAIRPUR
NAWAB SHAH
HYDERABAD
UMARKOT
KARACHI
Kotri
Tando Adam
Mirpurkhas
Tando Alahyar
Tando Mohd Khan
Tando Bago
Badin
Mirpur Bathoro
Mirpur Sakro
Mugalbin
Ladiun
Nagar Parkar
Mithi
Chachro
Khipro
Samaro
Digri
Jamesabad
Uhudo
Uherruk
Matli
Manjhand
Sakrand
Shahdadpur
Hala
Sinjhoro
Tharushah
Naushahro
Moro
Dadu
Johi
Khairpur Nathshah
Mehar
Kambar
Shahdadkot
Miraharri
Kandiaro
Bakran
Kandkot
Kashmor
Ghotki
Pano Akil
Rohri
Mirpur Mathelo
Ubauro
Laki
Sehwan
Thana Bulakhan
Tatta
Jherruk
Kotri
To Jodhpur
To Multan
Indus River
Hab River
Khirthar Range
Lyari River
Malir River
Thaltu River
Jhangara River
Johan River
Khuddi River
Nara River
Gajnai
Manchar Lake
Hyderabad
Karachi
Kotri
Sehwan
Dadu
Larkhana
Sukkur
Rohri
Shikarpur
Jacobabad
Kandkot
Kashmor
Ghotki
Mirpur Mathelo
Ubauro
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Uhudo
Samaro
Khipro
Nara River
Indus River
Hab River
Khirthar Range
Lyari River
Malir River
Thaltu River
Jhangara River
Johan River
Khuddi River
Gajnai
Manchar Lake
To Jodhpur
To Multan
67°0
68°0
69°0
70°0
71°0
28°0
27°0
26°0
25°0
24°0